

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102522\
 Data File : VU051484.D
 Acq On : 25 Oct 2022 12:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050116

Quant Time: Oct 27 01:24:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 20 21:53:25 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	486991	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	489247	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	254111	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	162008	41.926	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.860%
7) Chloroethane-d5	1.900	69	140910	44.264	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.520%
11) 1,1-Dichloroethene-d2	2.565	63	290071	44.098	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.200%
21) 2-Butanone-d5	4.620	46	248782	91.333	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.330%
24) Chloroform-d	5.060	84	325396	45.847	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.700%
26) 1,2-Dichloroethane-d4	5.700	65	202142	45.812	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.620%
32) Benzene-d6	5.726	84	647148	48.845	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.680%
36) 1,2-Dichloropropane-d6	6.690	67	213964	49.177	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.360%
41) Toluene-d8	7.896	98	597799	49.501	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.000%
43) trans-1,3-Dichloroprop...	8.179	79	92788	50.085	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.160%
47) 2-Hexanone-d5	8.632	63	183859	96.211	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.210%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	353525	46.773	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.540%
66) 1,2-Dichlorobenzene-d4	12.192	152	229201	48.182	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	197328	46.364	ug/L	99
3) Chloromethane	1.527	50	254814	46.842	ug/L	98
5) Vinyl chloride	1.604	62	253760	47.133	ug/L	100
6) Bromomethane	1.835	94	156451	55.909	ug/L	99
8) Chloroethane	1.922	64	157971	49.098	ug/L	100
9) Trichlorofluoromethane	2.131	101	292478	46.956	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	182058	47.821	ug/L	99
12) 1,1-Dichloroethene	2.575	96	170926	47.360	ug/L	96
13) Acetone	2.623	43	283571	91.361	ug/L	97
14) Carbon disulfide	2.790	76	555609	47.265	ug/L	100
15) Methyl Acetate	2.945	43	220499	46.974	ug/L	99
16) Methylene chloride	3.044	84	241165	50.907	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	183879	49.540	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	550623	51.877	ug/L	99
19) 1,1-Dichloroethane	3.867	63	356665	48.718	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	201969	49.875	ug/L	99
22) 2-Butanone	4.697	43	358567	99.540	ug/L	99
23) Bromochloromethane	4.970	128	115422	50.802	ug/L	97
25) Chloroform	5.086	83	370897	49.140	ug/L	100

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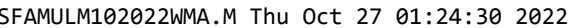
Instrument :
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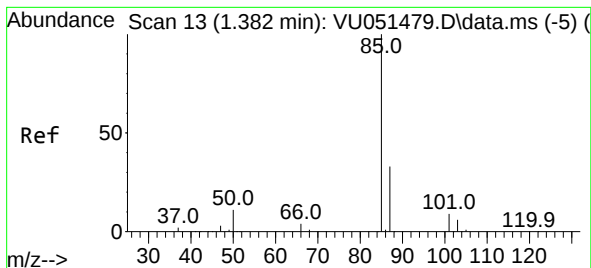
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	289255	49.355	ug/L	100
29) Cyclohexane	5.388	56	274864	53.473	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	287392	49.525	ug/L	99
31) Carbon tetrachloride	5.523	117	249357	50.893	ug/L	100
33) Benzene	5.771	78	815449	50.986	ug/L	100
34) Trichloroethene	6.539	95	190932	49.471	ug/L	96
35) Methylcyclohexane	6.761	83	298807	54.121	ug/L	98
37) 1,2-Dichloropropane	6.790	63	227655	51.904	ug/L	100
38) Bromodichloromethane	7.105	83	289331	51.818	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	308106	53.281	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	608888	103.897	ug/L	99
42) Toluene	7.967	91	889423	54.191	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	298347	53.016	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	223800	51.124	ug/L	99
46) Tetrachloroethene	8.552	164	150763	52.333	ug/L	98
48) 2-Hexanone	8.684	43	512408	102.319	ug/L	99
49) Dibromochloromethane	8.809	129	238798	53.297	ug/L	95
50) 1,2-Dibromoethane	8.922	107	235280	52.450	ug/L	99
51) Chlorobenzene	9.446	112	548186	51.004	ug/L	100
52) Ethylbenzene	9.568	91	876984	52.987	ug/L	98
53) m,p-Xylene	9.693	106	356126	55.823	ug/L	99
54) o-Xylene	10.099	106	348590	55.086	ug/L	96
55) Styrene	10.115	104	623141	56.667	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.780	83	407381	48.770	ug/L	100
59) Bromoform	10.288	173	182340	51.521	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	317598	48.228	ug/L	99
61) Isopropylbenzene	10.484	105	866000	54.268	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	729672	53.827	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	744638	55.787	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	422312	51.844	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	427575	51.041	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	441585	52.042	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	86841	48.859	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	280352	51.305	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	219326	52.133	ug/L	99
71) Naphthalene	14.086	128	760384	56.470	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	250670	55.507	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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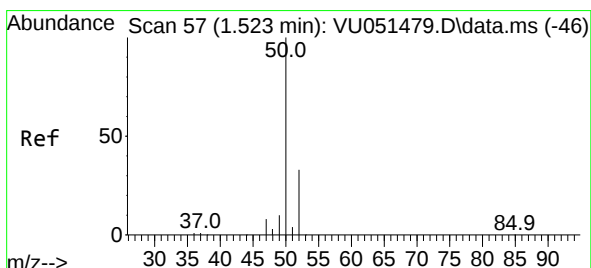
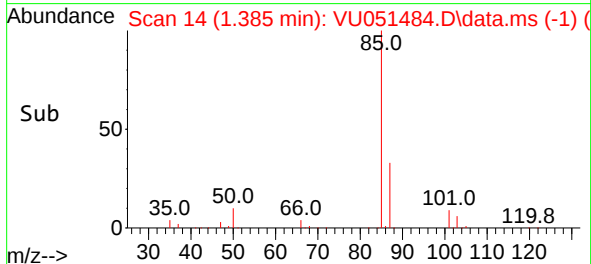
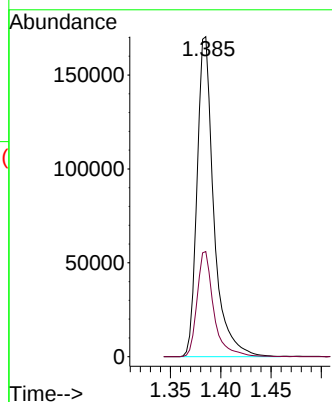
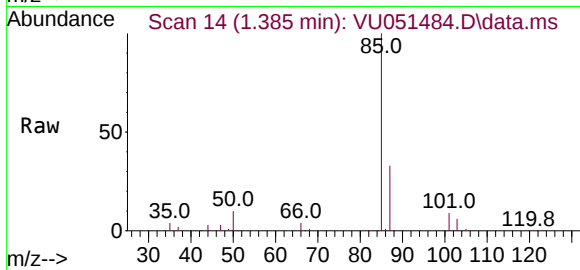




#2
 Dichlorodifluoromethane
 Concen: 46.364 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.003 min
 Lab File: VU051484.D
 Acq: 25 Oct 2022 12:52

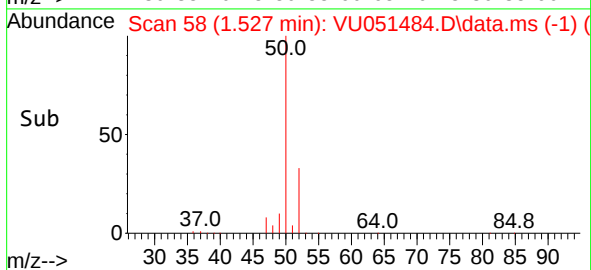
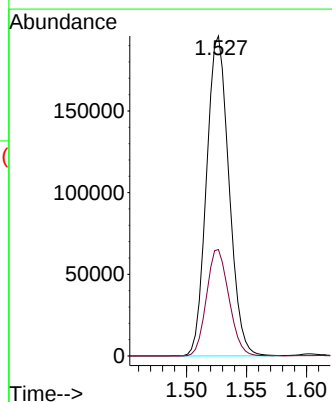
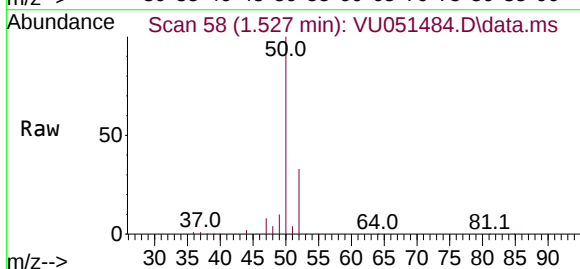
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050116

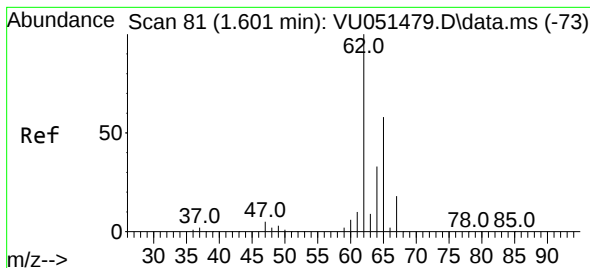
Tgt Ion: 85 Resp: 197328
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.7 38.5



#3
 Chloromethane
 Concen: 46.842 ug/L
 RT: 1.527 min Scan# 58
 Delta R.T. 0.003 min
 Lab File: VU051484.D
 Acq: 25 Oct 2022 12:52

Tgt Ion: 50 Resp: 254814
 Ion Ratio Lower Upper
 50 100
 52 33.3 24.1 44.8





#5

Vinyl chloride

Concen: 47.133 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

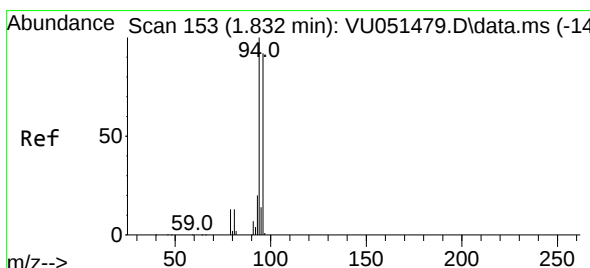
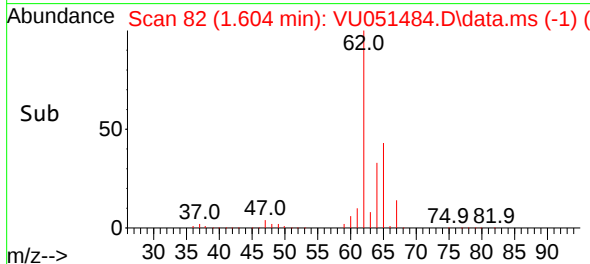
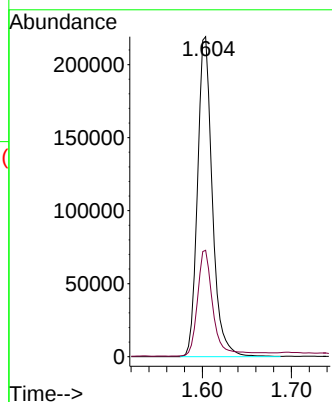
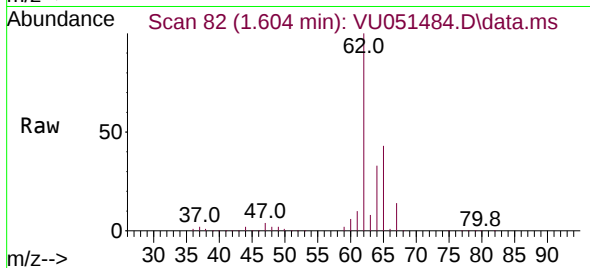
VSTD050116

Tgt Ion: 62 Resp: 253760

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.2



#6

Bromomethane

Concen: 55.909 ug/L

RT: 1.835 min Scan# 154

Delta R.T. 0.006 min

Lab File: VU051484.D

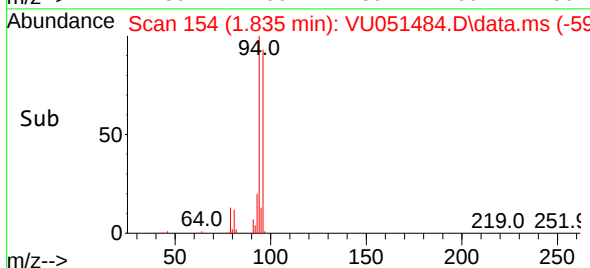
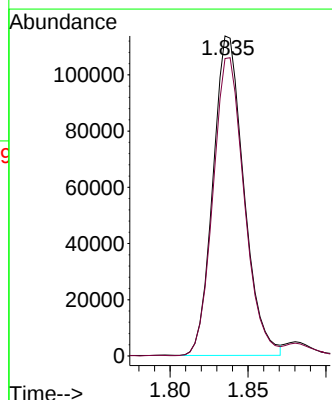
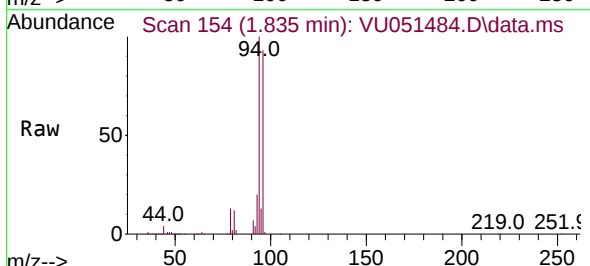
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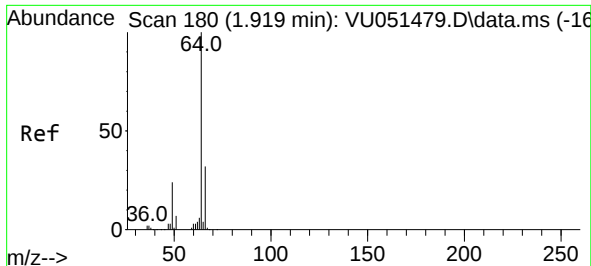
Tgt Ion: 94 Resp: 156451

Ion Ratio Lower Upper

94 100

96 92.9 64.5 119.9

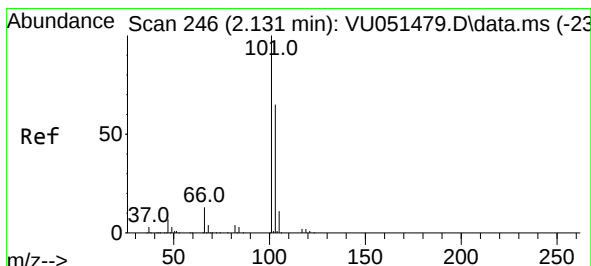
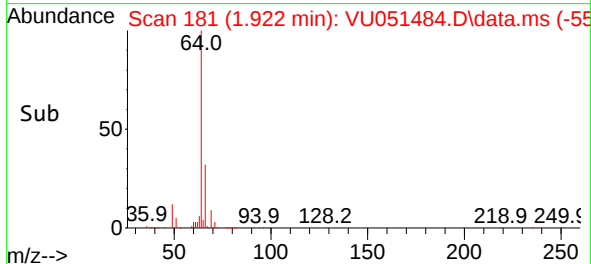
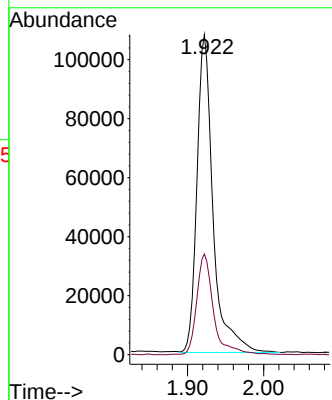
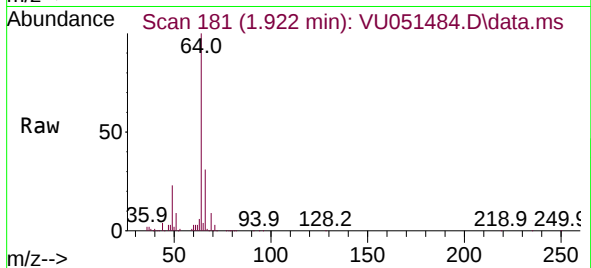




#8
Chloroethane
Concen: 49.098 ug/L
RT: 1.922 min Scan# 181
Delta R.T. 0.006 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

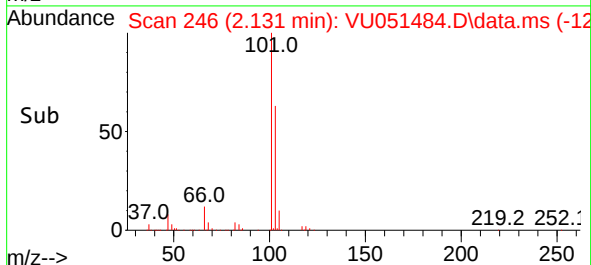
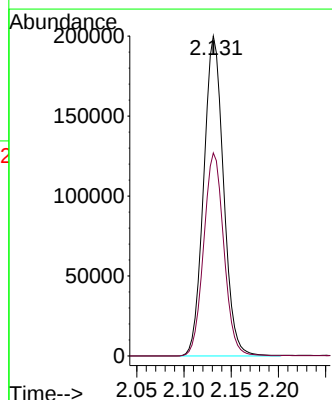
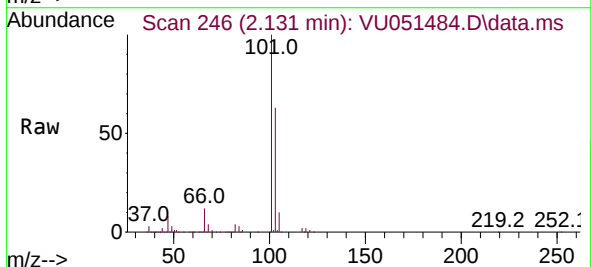
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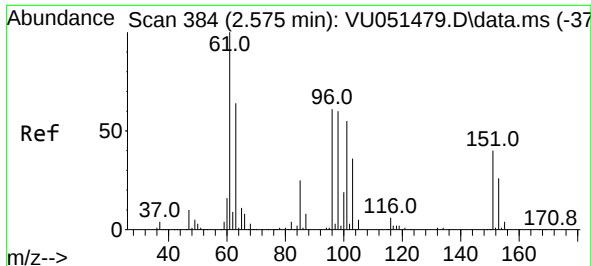
Tgt Ion: 64 Resp: 157971
Ion Ratio Lower Upper
64 100
66 31.5 21.9 40.7



#9
Trichlorofluoromethane
Concen: 46.956 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.003 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion: 101 Resp: 292478
Ion Ratio Lower Upper
101 100
103 64.3 51.0 76.4

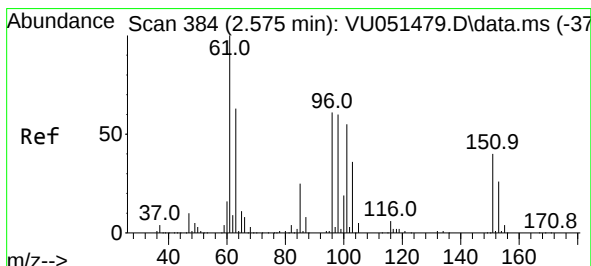
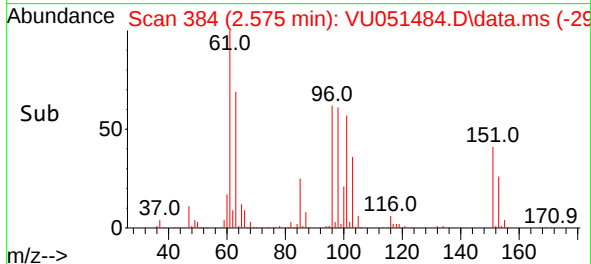
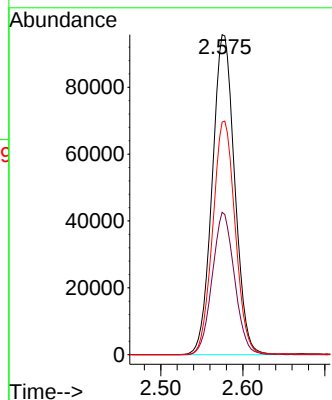
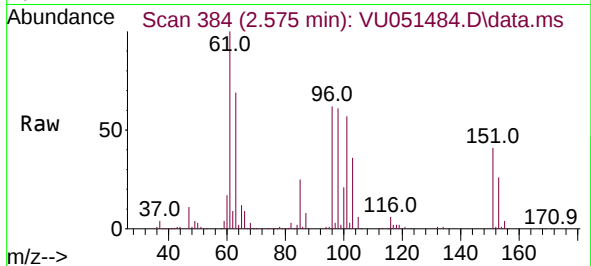




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.821 ug/L
RT: 2.575 min Scan# 384
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

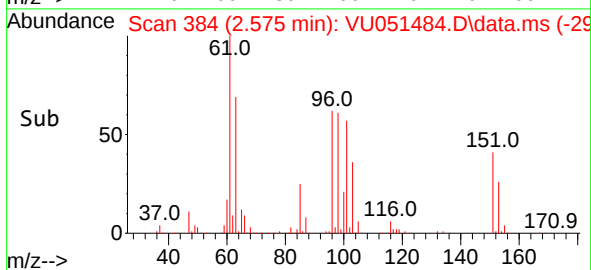
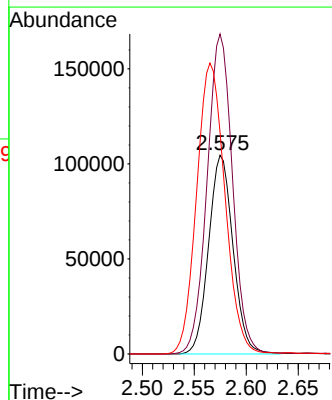
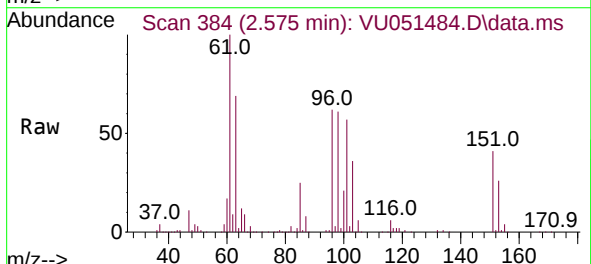
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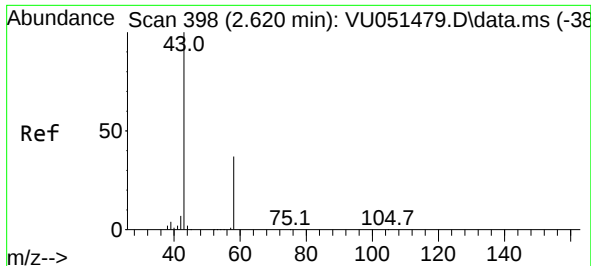
Tgt Ion: 101 Resp: 182058
Ion Ratio Lower Upper
101 100
85 43.9 35.2 52.8
151 73.0 57.8 86.8



#12
1,1-Dichloroethene
Concen: 47.360 ug/L
RT: 2.575 min Scan# 384
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion: 96 Resp: 170926
Ion Ratio Lower Upper
96 100
61 161.0 119.0 221.0
63 111.6 78.5 145.7





#13

Acetone

Concen: 91.361 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

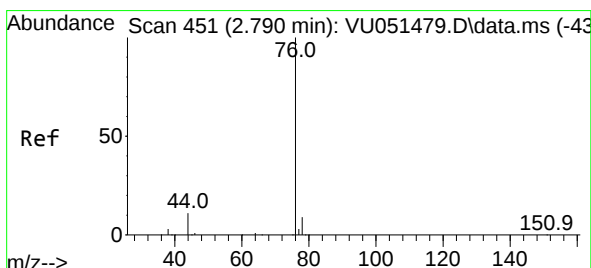
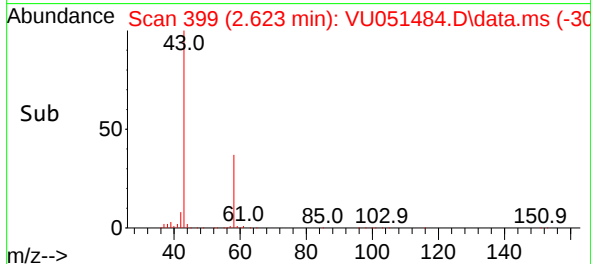
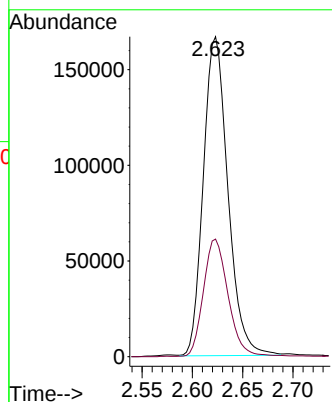
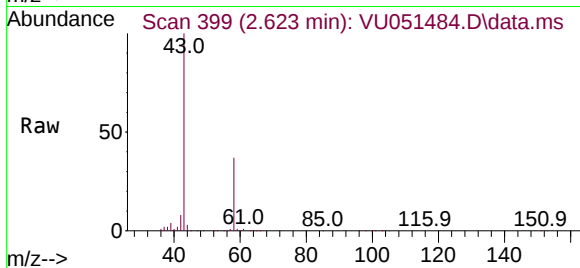
VSTD050116

Tgt Ion: 43 Resp: 283571

Ion Ratio Lower Upper

43 100

58 36.9 0.0 70.2



#14

Carbon disulfide

Concen: 47.265 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051484.D

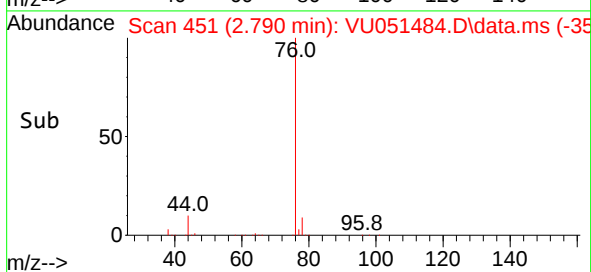
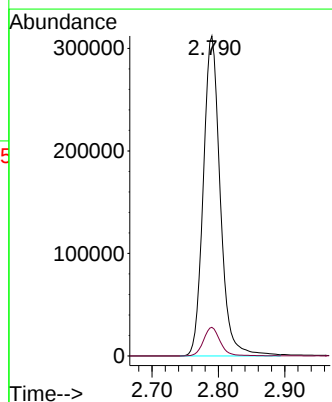
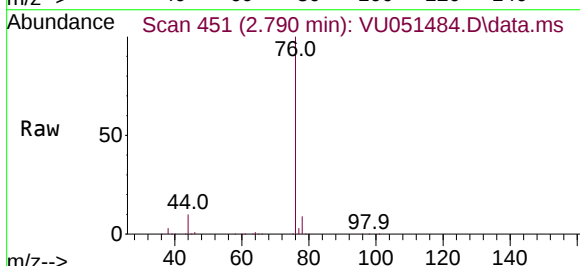
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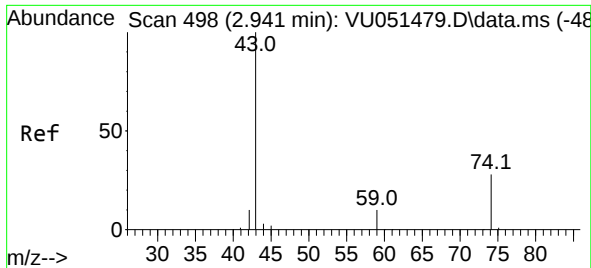
Tgt Ion: 76 Resp: 555609

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

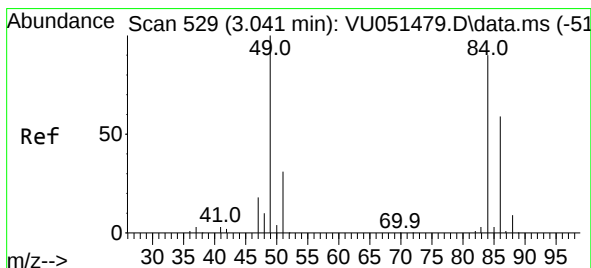
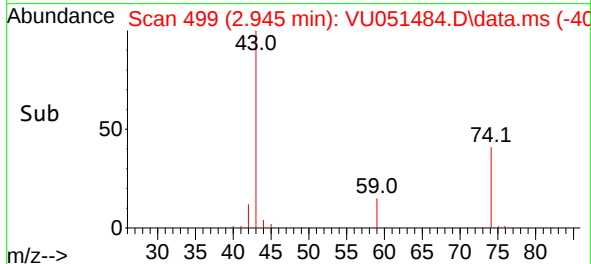
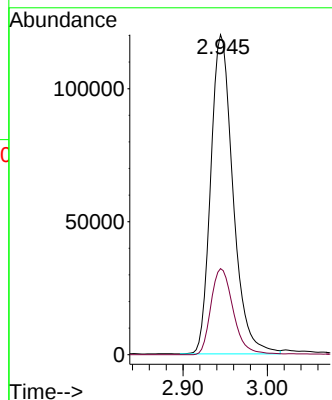
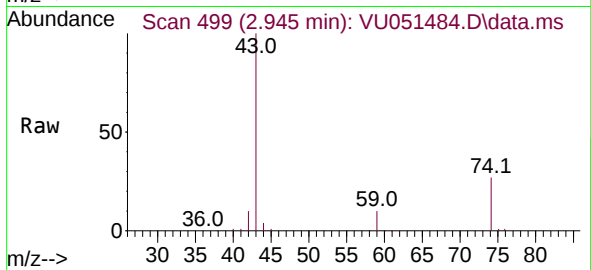




#15
Methyl Acetate
Concen: 46.974 ug/L
RT: 2.945 min Scan# 498
Delta R.T. 0.003 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

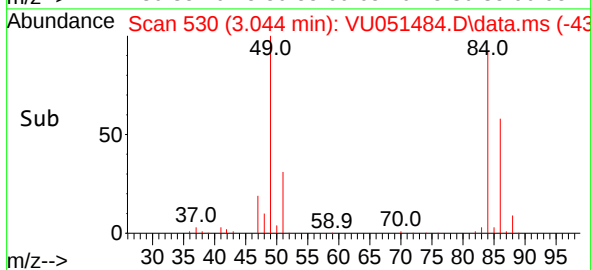
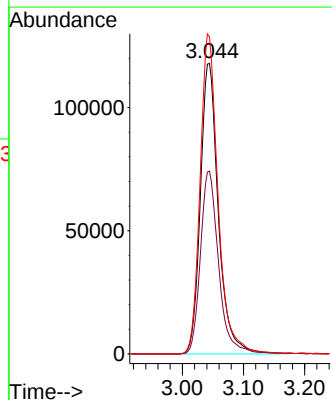
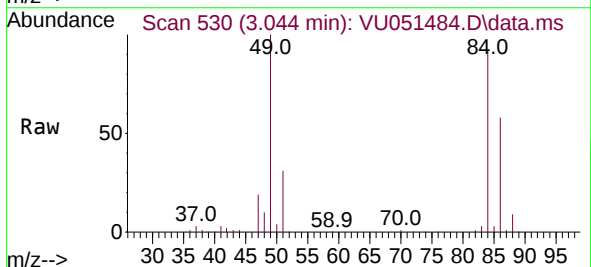
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

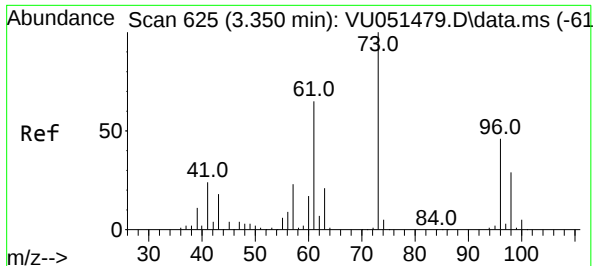
Tgt Ion: 43 Resp: 220499
Ion Ratio Lower Upper
43 100
74 27.0 21.1 31.7



#16
Methylene chloride
Concen: 50.907 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion: 84 Resp: 241165
Ion Ratio Lower Upper
84 100
86 62.9 45.8 85.2
49 109.1 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 49.540 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD050116

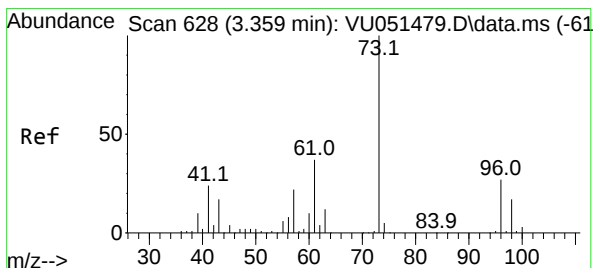
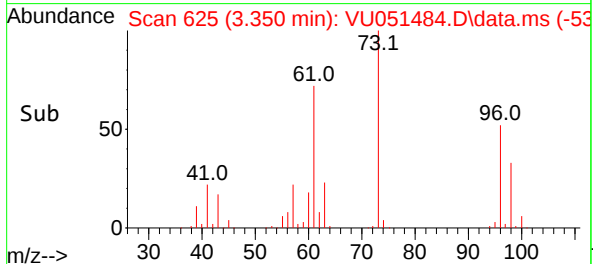
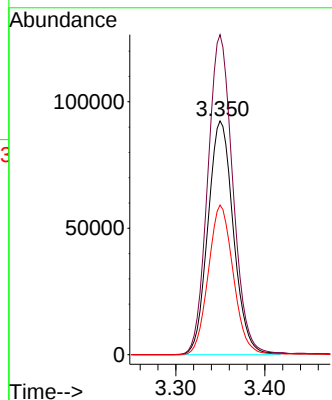
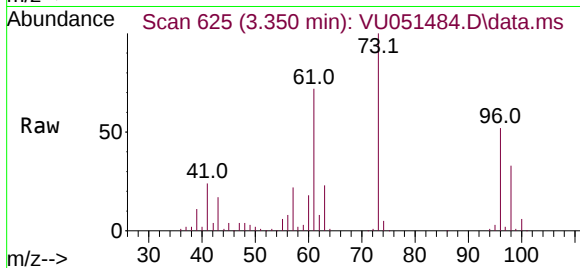
Tgt Ion: 96 Resp: 183879

Ion Ratio Lower Upper

96 100

61 136.9 98.1 182.1

98 64.0 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 51.877 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

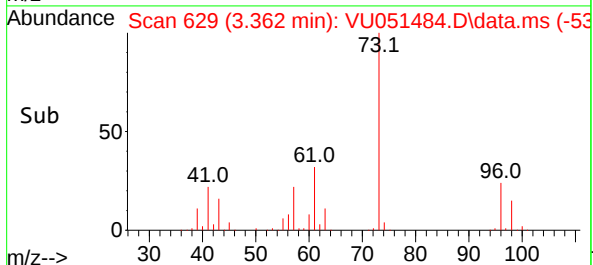
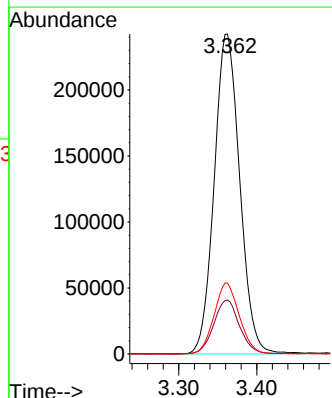
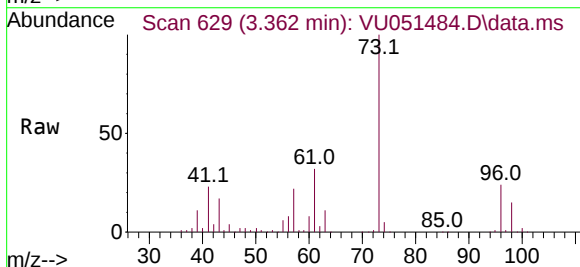
Tgt Ion: 73 Resp: 550623

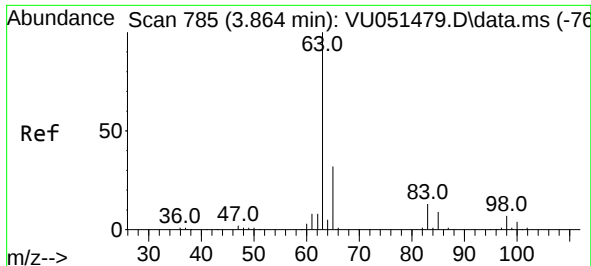
Ion Ratio Lower Upper

73 100

43 16.9 13.9 20.9

57 22.0 17.7 26.5





#19

1,1-Dichloroethane

Concen: 48.718 ug/L

RT: 3.867 min Scan# 7

Delta R.T. 0.003 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD050116

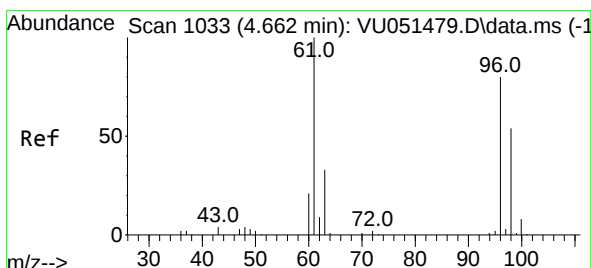
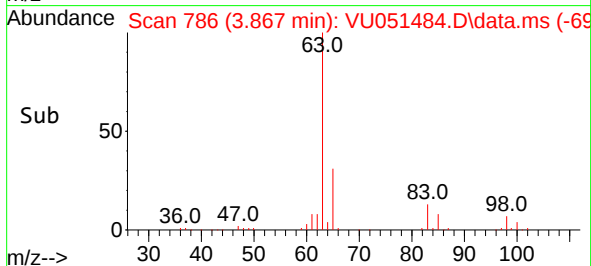
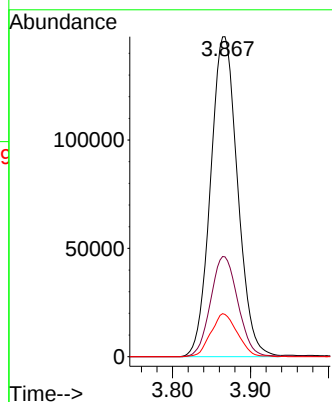
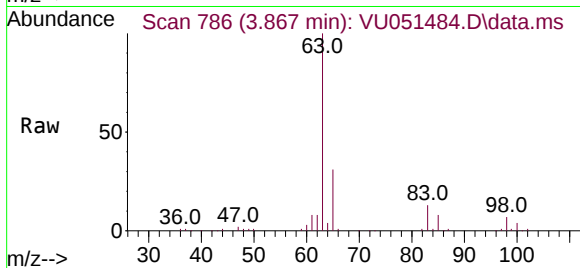
Tgt Ion: 63 Resp: 356665

Ion Ratio Lower Upper

63 100

65 31.2 22.1 41.1

83 13.2 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 49.875 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

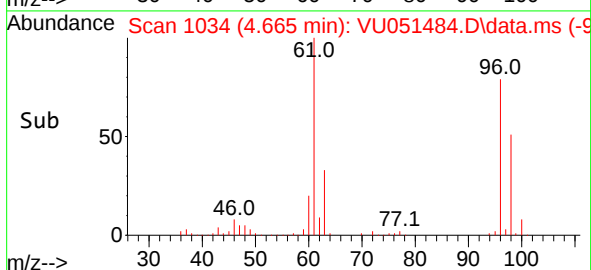
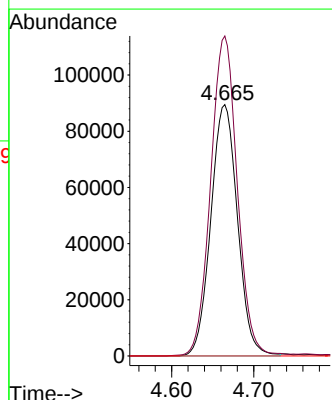
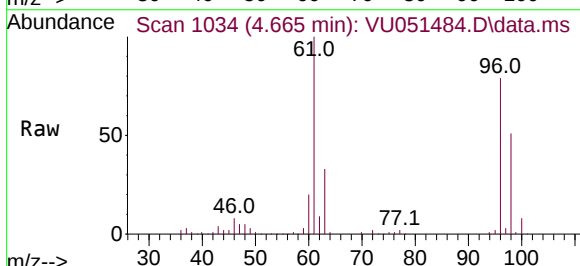
Tgt Ion: 96 Resp: 201969

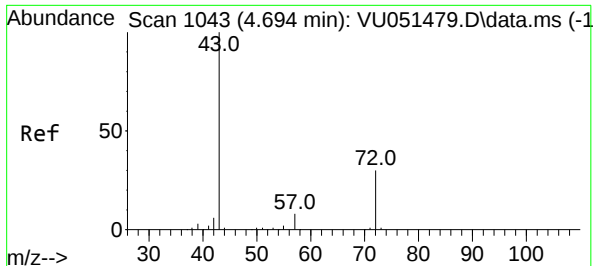
Ion Ratio Lower Upper

96 100

61 127.3 89.7 166.7

68 0.0 0.0 0.0

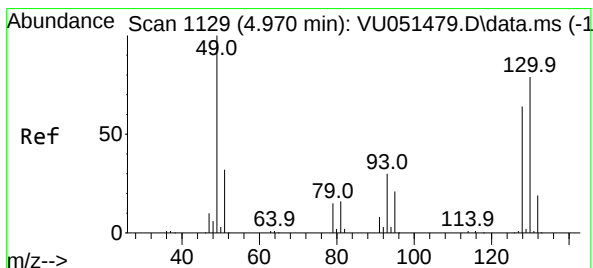
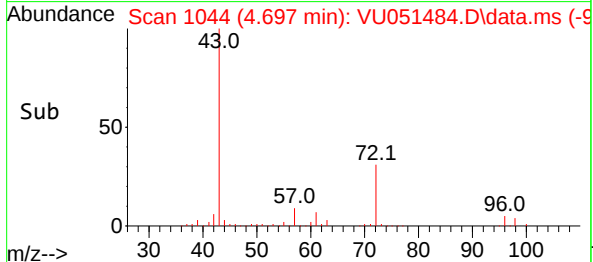
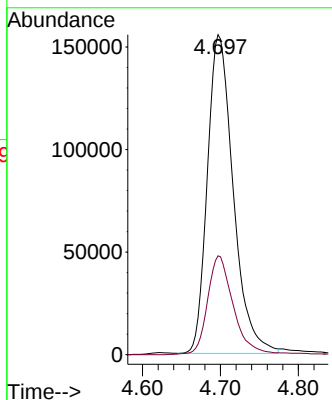
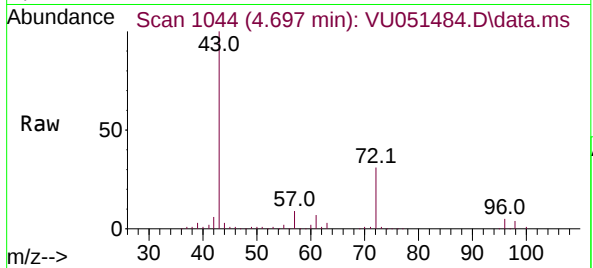




#22
2-Butanone
Concen: 99.540 ug/L
RT: 4.697 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

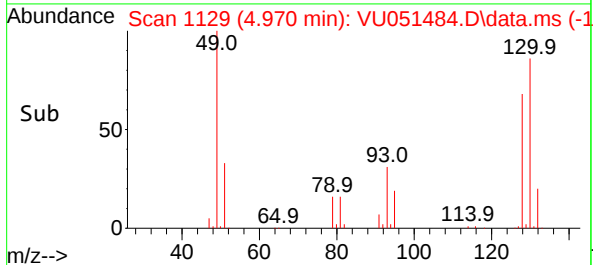
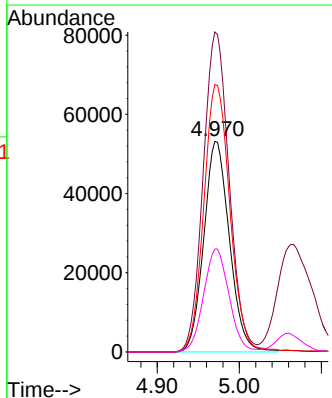
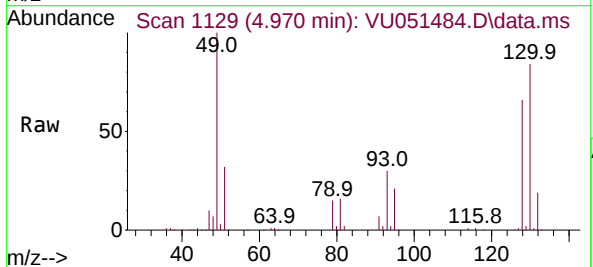
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

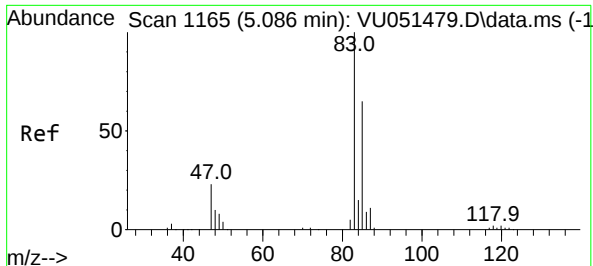
Tgt Ion: 43 Resp: 358567
Ion Ratio Lower Upper
43 100
72 31.0 15.2 45.6



#23
Bromochloromethane
Concen: 50.802 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion:128 Resp: 115422
Ion Ratio Lower Upper
128 100
49 152.0 111.9 207.9
130 127.0 88.2 163.8
51 48.9 39.4 59.0





#25

Chloroform

Concen: 49.140 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

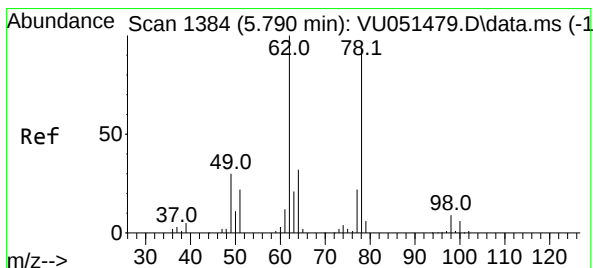
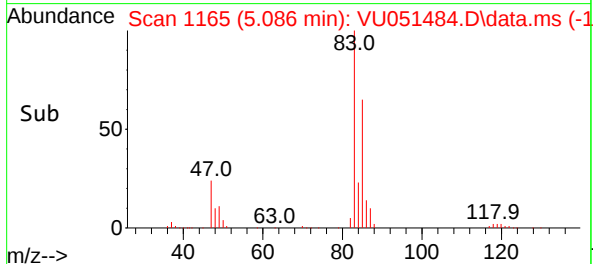
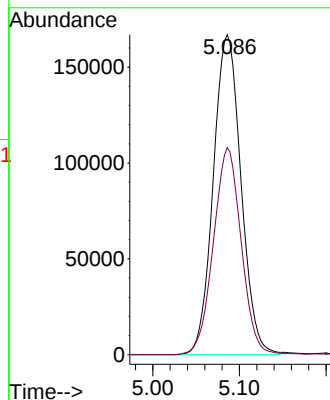
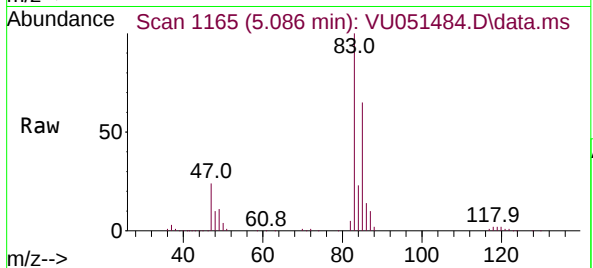
VSTD050116

Tgt Ion: 83 Resp: 370897

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.9



#27

1,2-Dichloroethane

Concen: 49.355 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU051484.D

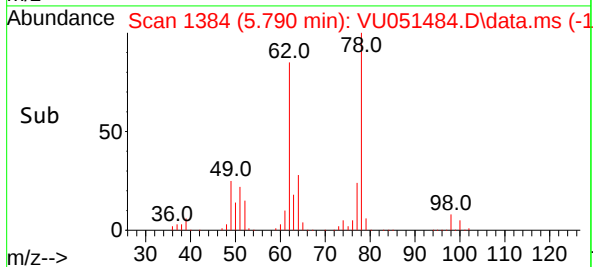
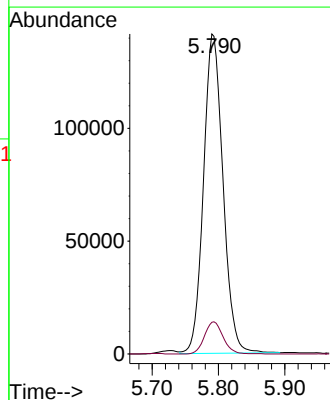
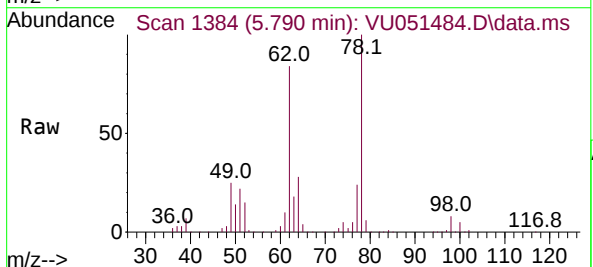
Acq: 25 Oct 2022 12:52

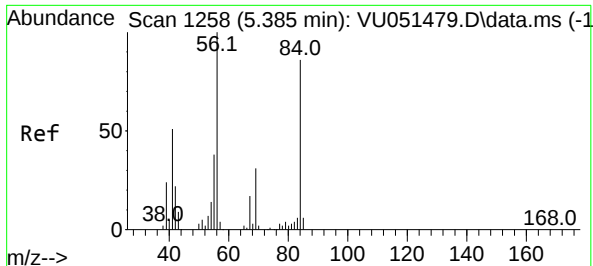
Tgt Ion: 62 Resp: 289255

Ion Ratio Lower Upper

62 100

98 9.9 8.0 12.0





#29

Cyclohexane

Concen: 53.473 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD050116

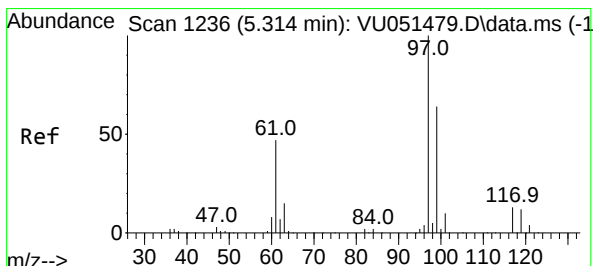
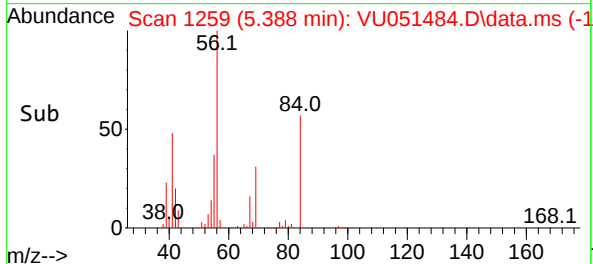
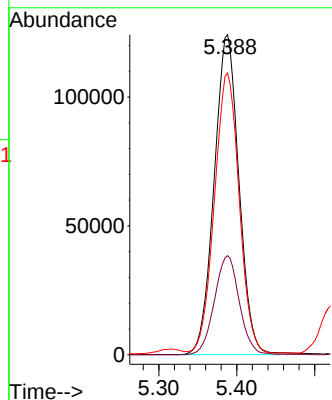
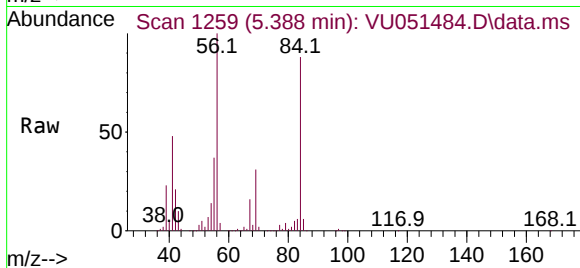
Tgt Ion: 56 Resp: 274864

Ion Ratio Lower Upper

56 100

69 31.0 25.5 38.3

84 87.4 69.8 104.6



#30

1,1,1-Trichloroethane

Concen: 49.525 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

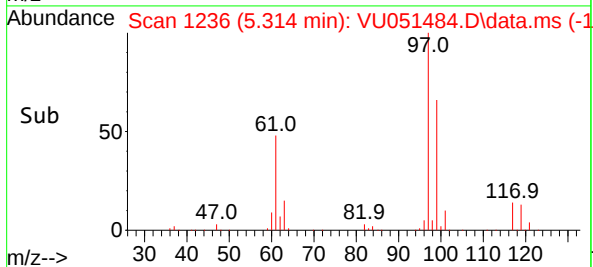
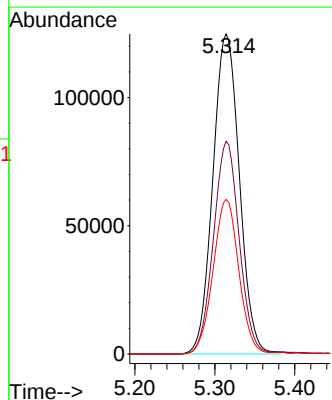
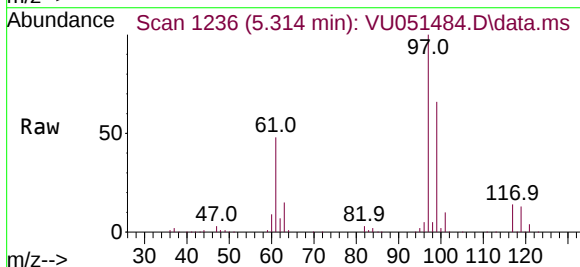
Tgt Ion: 97 Resp: 287392

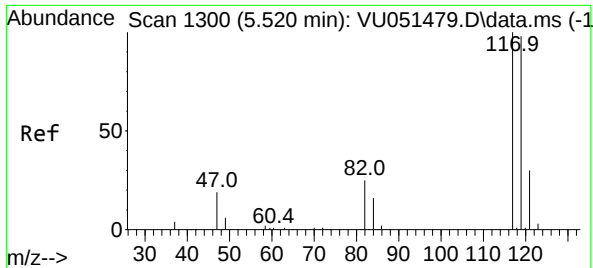
Ion Ratio Lower Upper

97 100

99 64.4 50.7 76.1

61 46.9 36.7 55.1

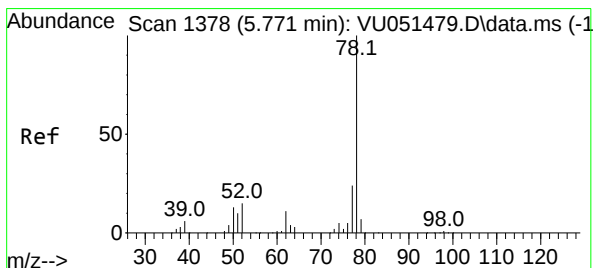
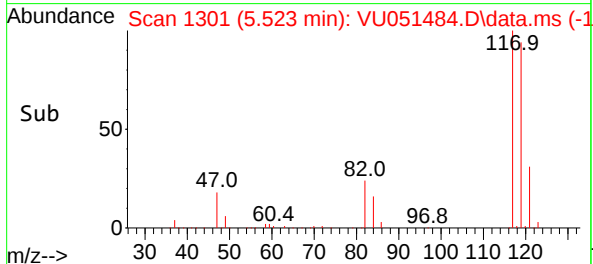
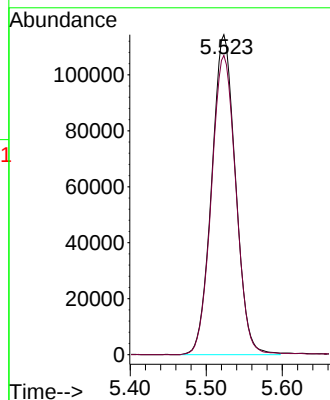
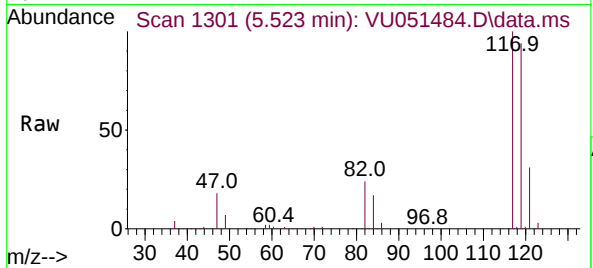




#31
Carbon tetrachloride
Concen: 50.893 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

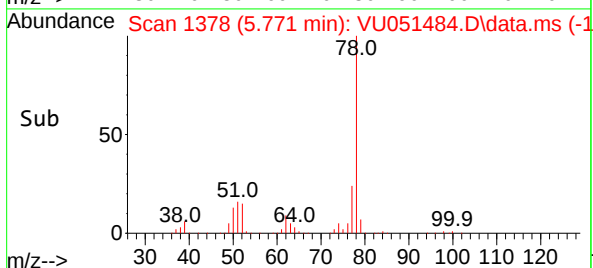
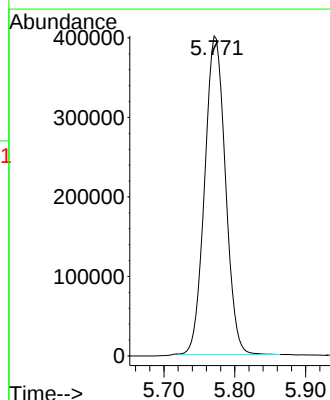
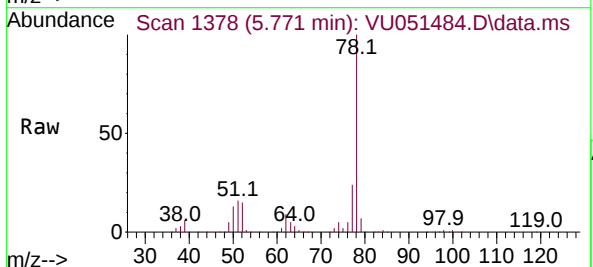
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

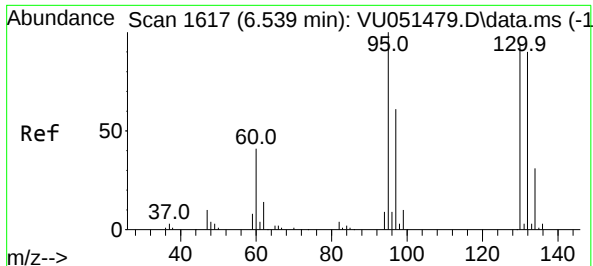
Tgt Ion:117 Resp: 249357
Ion Ratio Lower Upper
117 100
119 95.9 77.0 115.6



#33
Benzene
Concen: 50.986 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion: 78 Resp: 815449

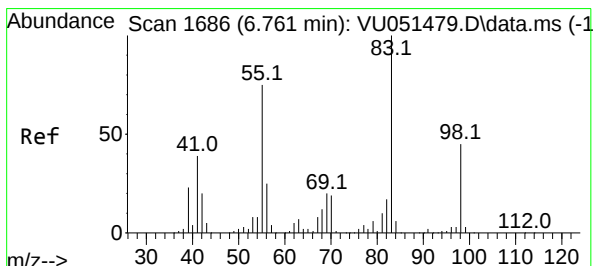
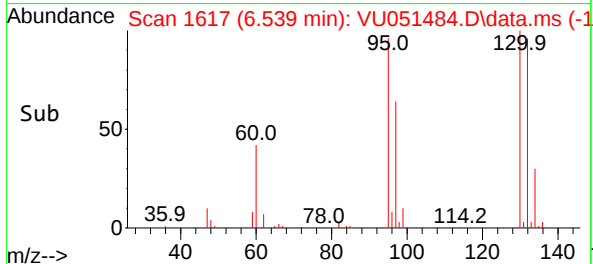
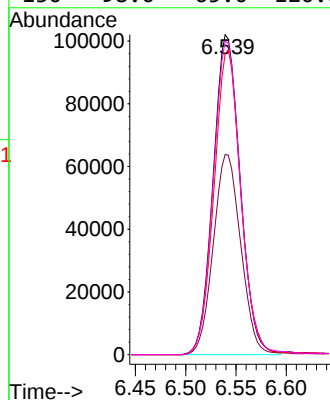
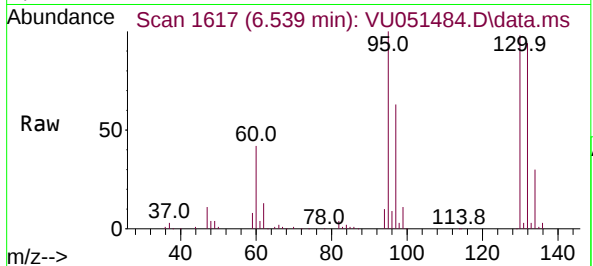




#34
Trichloroethene
Concen: 49.471 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

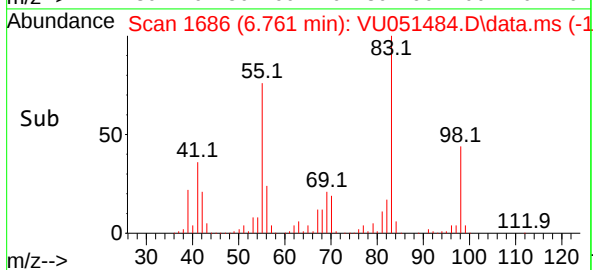
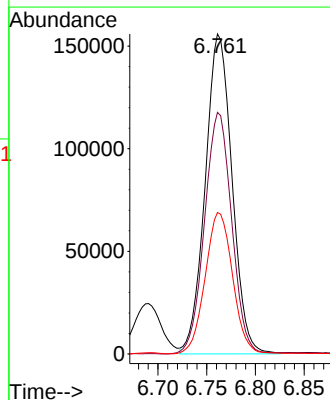
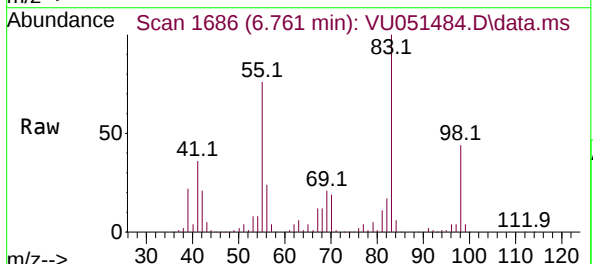
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

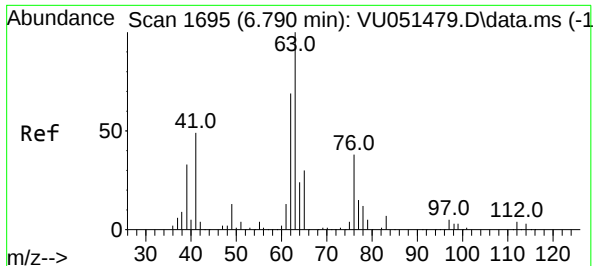
Tgt Ion: 95 Resp: 190932
Ion Ratio Lower Upper
95 100
97 62.5 43.8 81.4
132 94.1 61.9 114.9
130 98.0 65.0 120.8



#35
Methylcyclohexane
Concen: 54.121 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion: 83 Resp: 298807
Ion Ratio Lower Upper
83 100
55 76.3 62.6 93.8
98 45.0 36.2 54.4





#37

1,2-Dichloropropane

Concen: 51.904 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

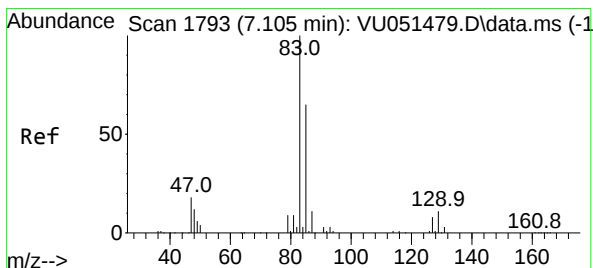
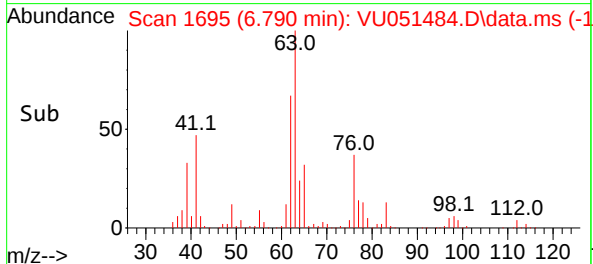
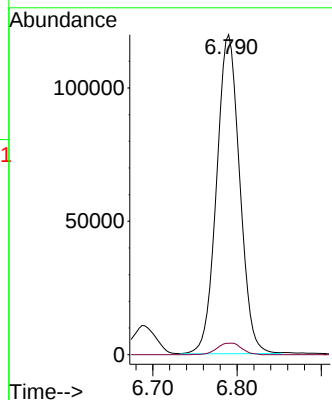
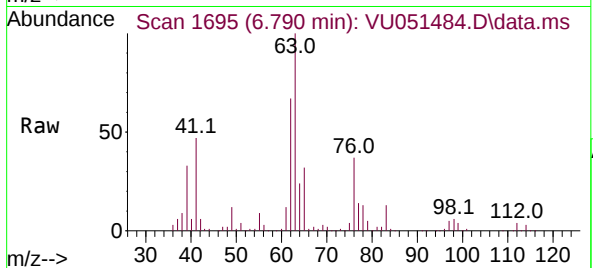
VSTD050116

Tgt Ion: 63 Resp: 227655

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#38

Bromodichloromethane

Concen: 51.818 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

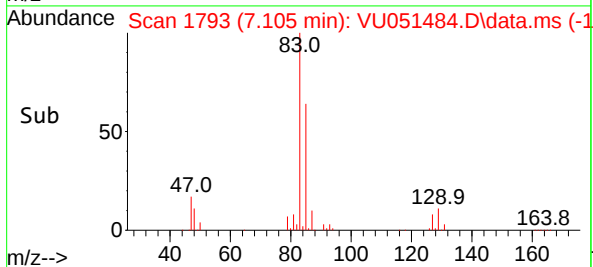
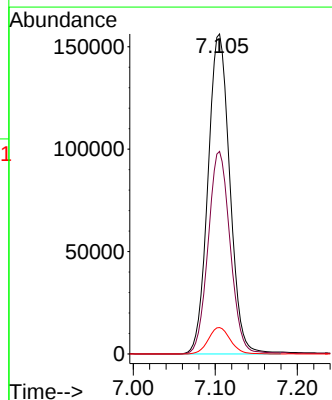
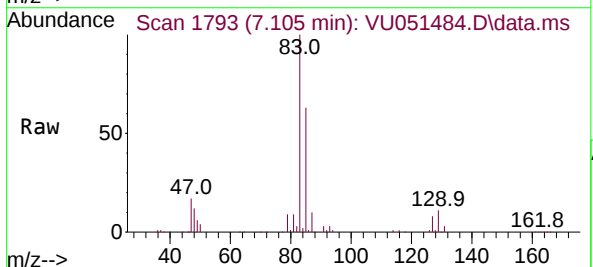
Tgt Ion: 83 Resp: 289331

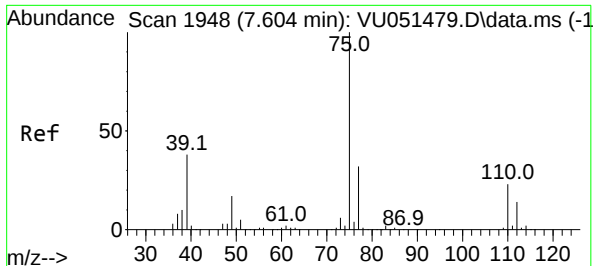
Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.5

127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 53.281 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

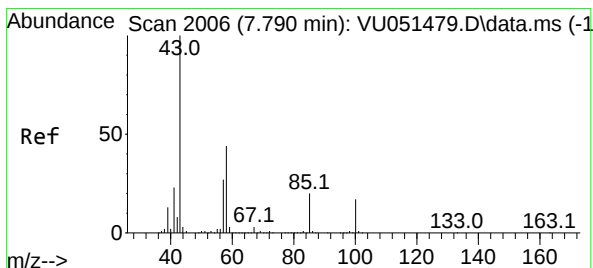
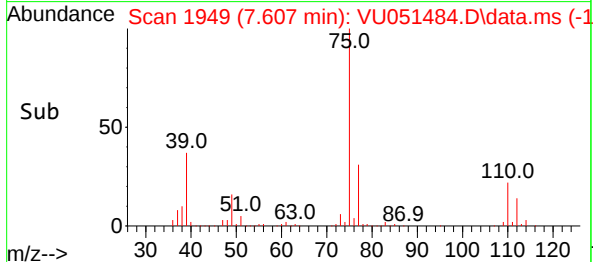
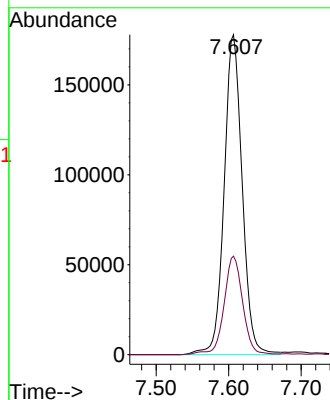
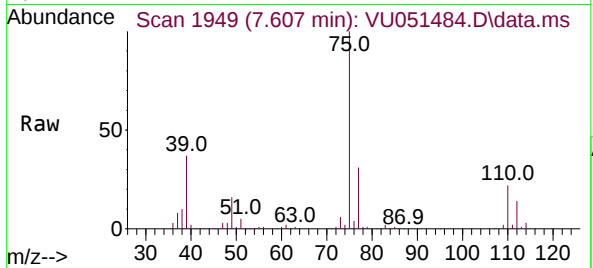
VSTD050116

Tgt Ion: 75 Resp: 308106

Ion Ratio Lower Upper

75 100

77 30.8 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 103.897 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

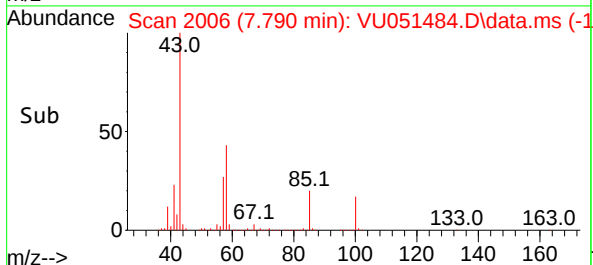
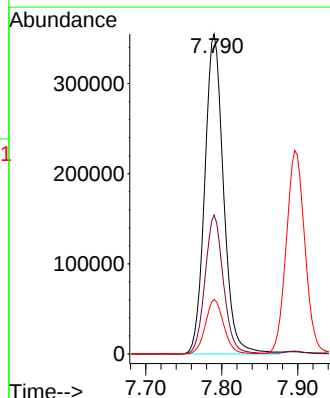
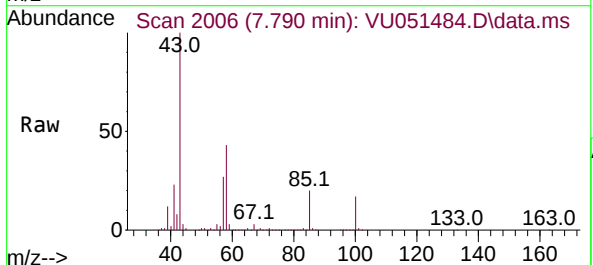
Tgt Ion: 43 Resp: 608888

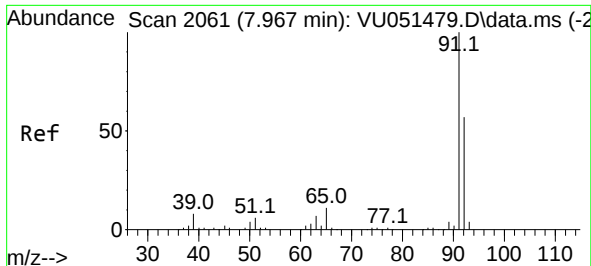
Ion Ratio Lower Upper

43 100

58 42.6 34.4 51.6

100 16.7 12.9 19.3

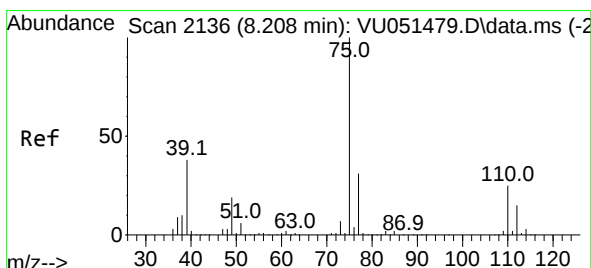
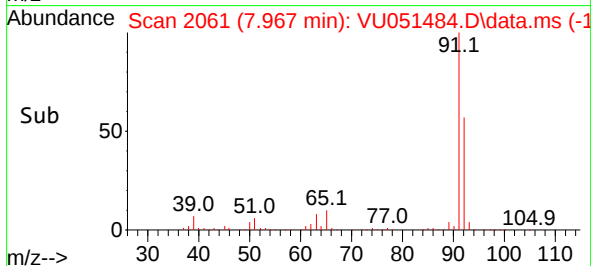
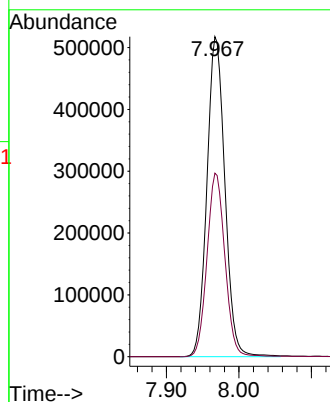
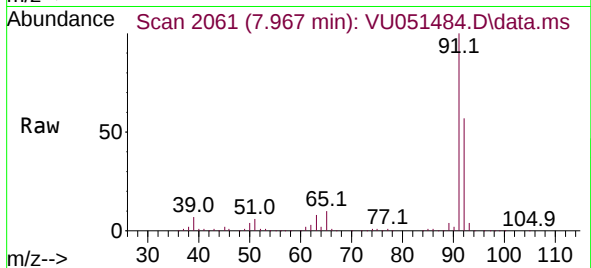




#42
Toluene
Concen: 54.191 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

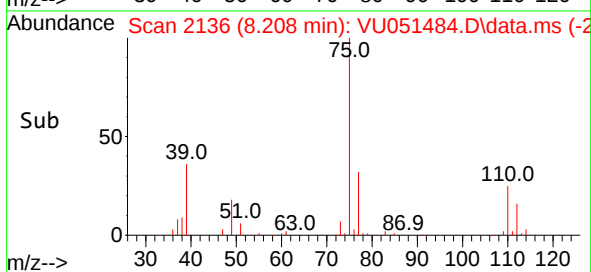
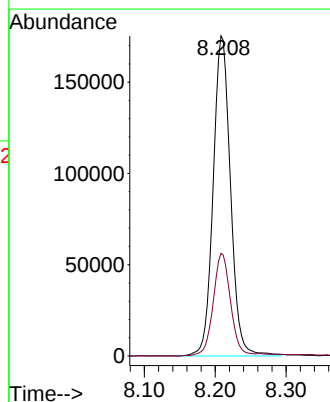
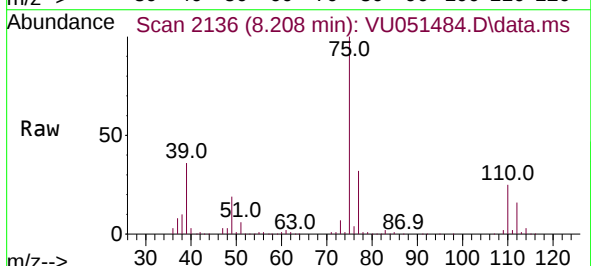
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

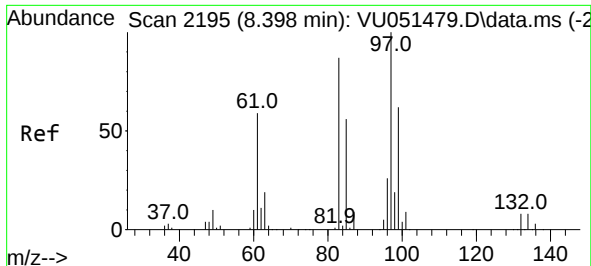
Tgt Ion: 91 Resp: 889423
Ion Ratio Lower Upper
91 100
92 57.4 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 53.016 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion: 75 Resp: 298347
Ion Ratio Lower Upper
75 100
77 32.0 21.3 39.5



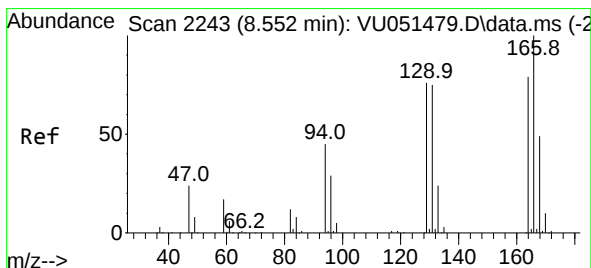
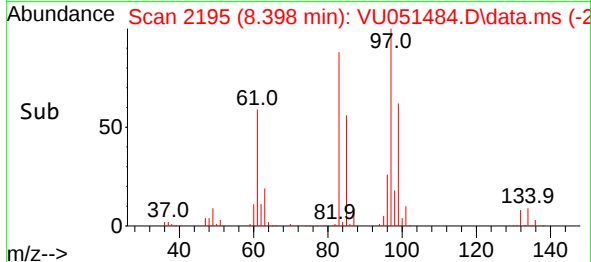
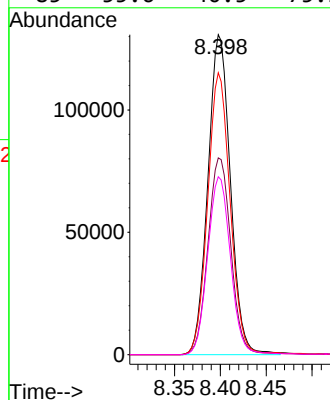
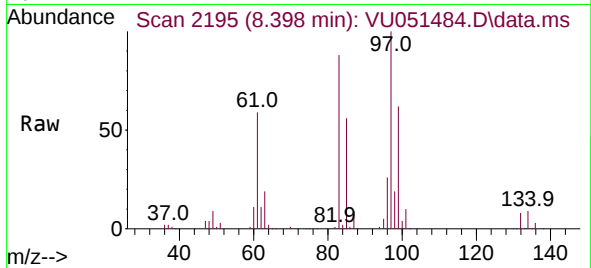


#45
1,1,2-Trichloroethane
Concen: 51.124 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

Tgt Ion: 97 Resp: 223800

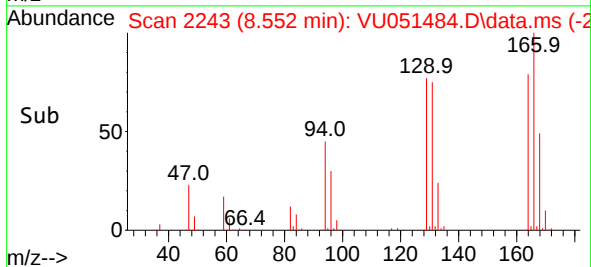
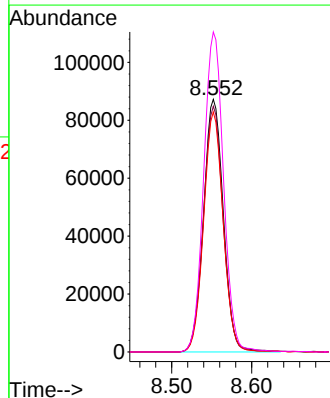
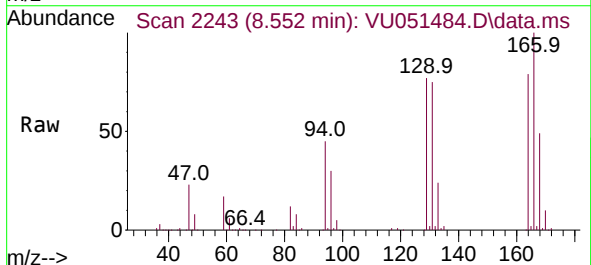
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.6	81.0
83	88.1	61.8	114.8
85	55.6	40.5	75.3

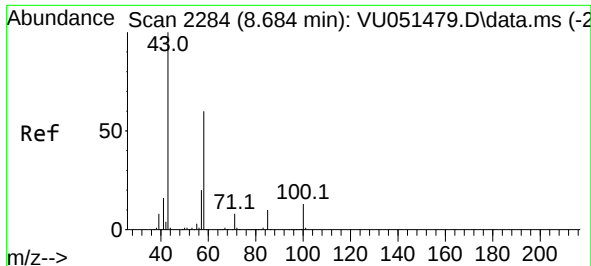


#46
Tetrachloroethene
Concen: 52.333 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion: 164 Resp: 150763

Ion	Ratio	Lower	Upper
164	100		
129	97.3	67.3	124.9
131	95.0	65.2	121.0
166	126.7	87.0	161.6

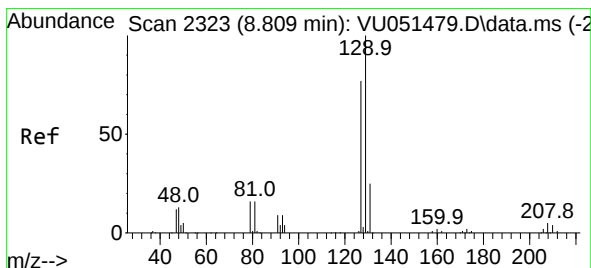
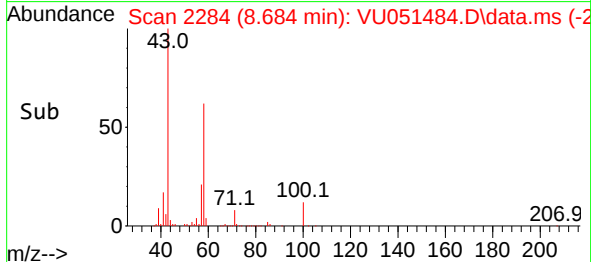
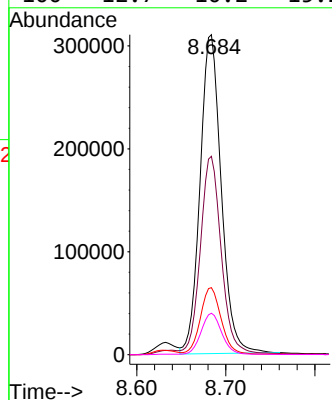
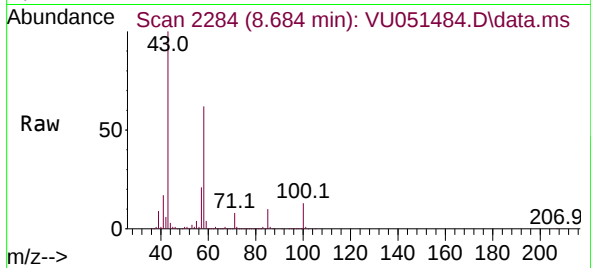




#48
2-Hexanone
Concen: 102.319 ug/L
RT: 8.684 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

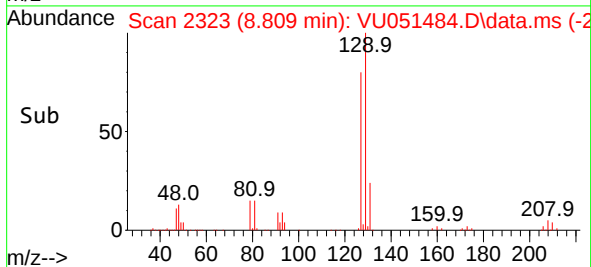
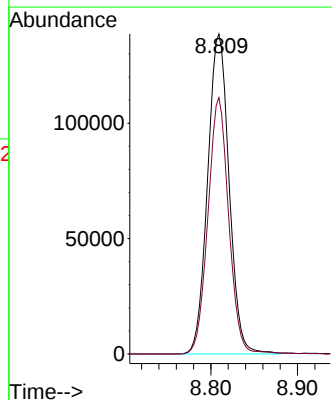
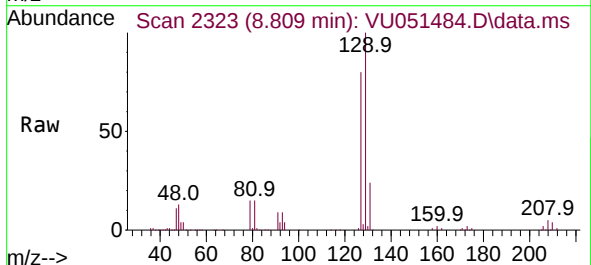
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

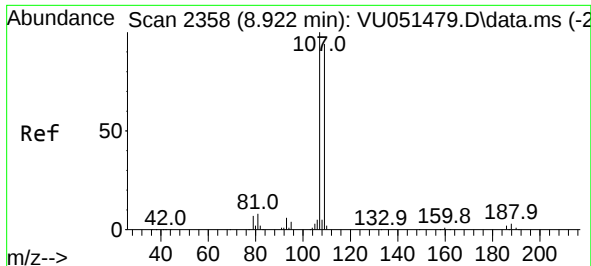
Tgt Ion: 43	Resp: 512408
Ion Ratio	Lower Upper
43 100	
58 61.5	48.2 72.4
57 20.4	16.4 24.6
100 12.7	10.2 15.2



#49
Dibromochloromethane
Concen: 53.297 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion:129	Resp: 238798		
Ion Ratio	Lower	Upper	
129 100			
127 80.1	53.1	98.5	





#50

1,2-Dibromoethane

Concen: 52.450 ug/L

RT: 8.922 min Scan# 2358

Delta R.T. 0.000 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD050116

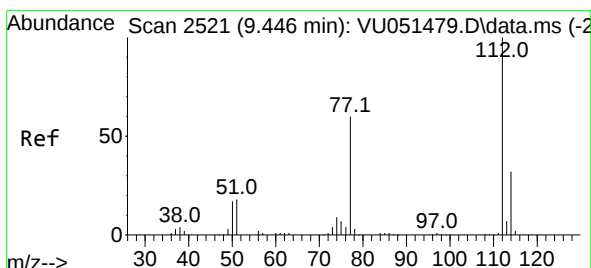
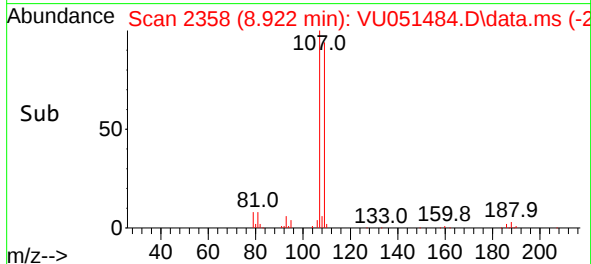
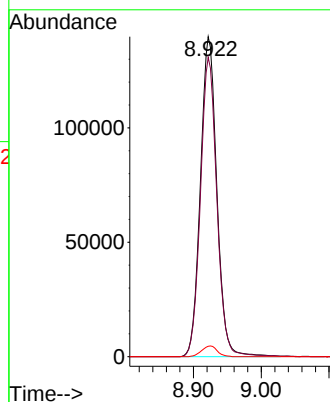
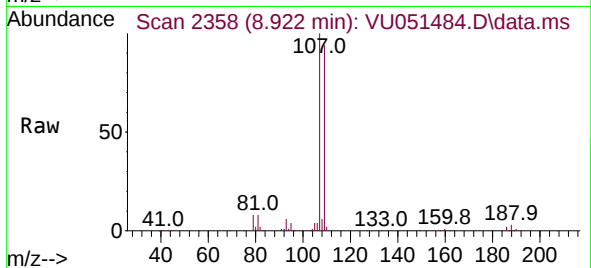
Tgt Ion:107 Resp: 235280

Ion Ratio Lower Upper

107 100

109 93.5 65.8 122.2

188 3.2 2.7 4.1



#51

Chlorobenzene

Concen: 51.004 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

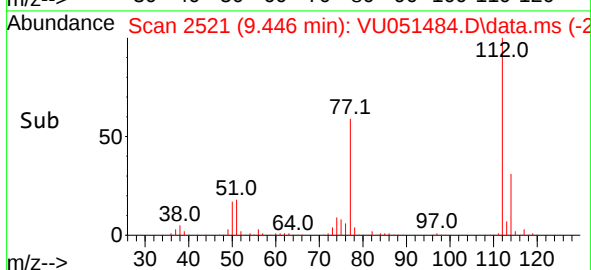
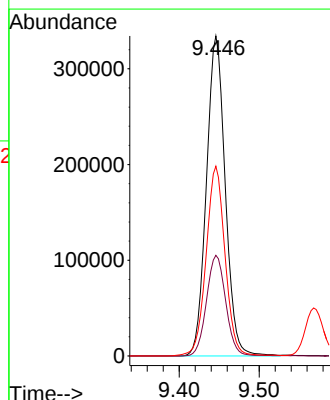
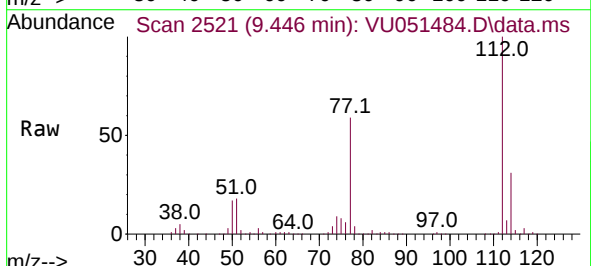
Tgt Ion:112 Resp: 548186

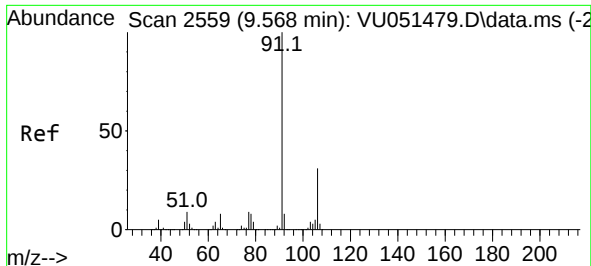
Ion Ratio Lower Upper

112 100

114 31.4 21.9 40.7

77 59.3 47.3 70.9

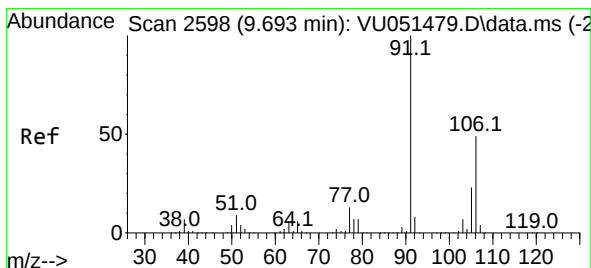
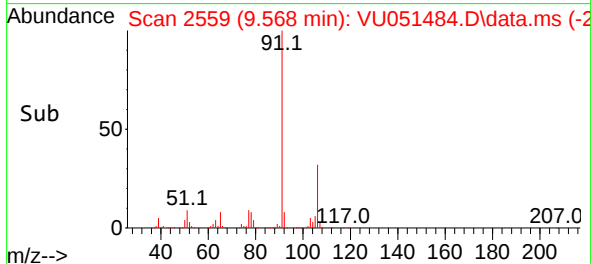
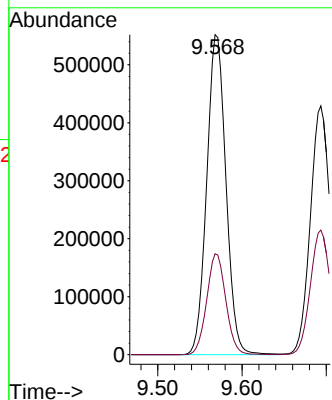
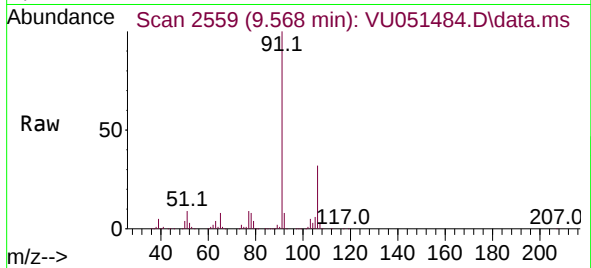




#52
Ethylbenzene
Concen: 52.987 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

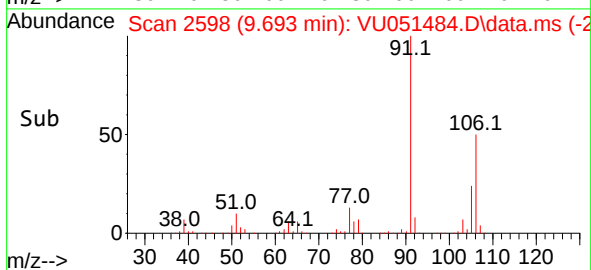
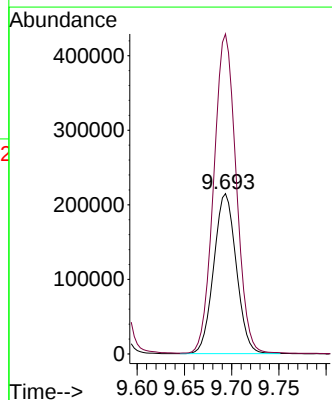
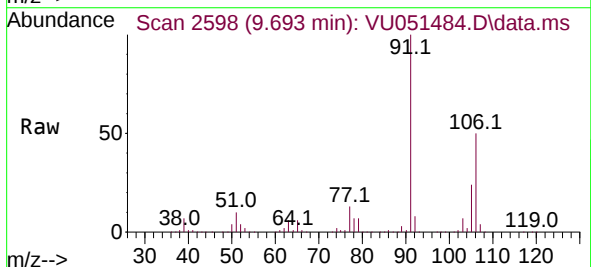
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

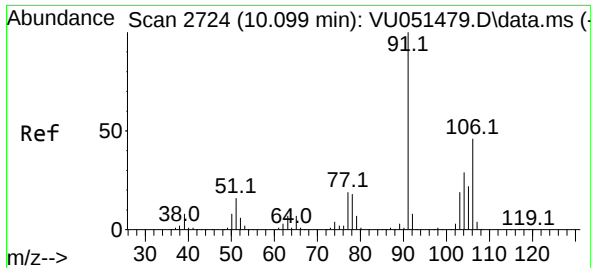
Tgt Ion: 91 Resp: 876984
Ion Ratio Lower Upper
91 100
106 31.5 21.3 39.6



#53
m,p-Xylene
Concen: 55.823 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion: 106 Resp: 356126
Ion Ratio Lower Upper
106 100
91 199.6 141.3 262.3

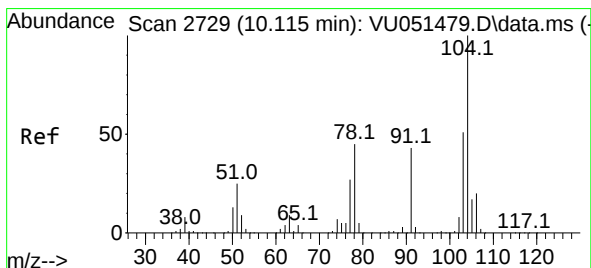
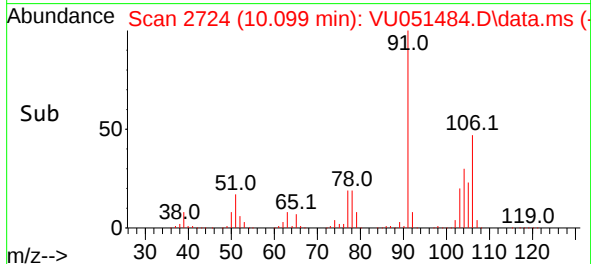
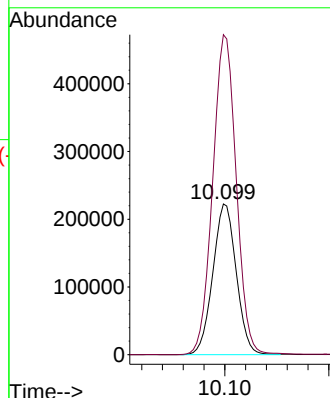
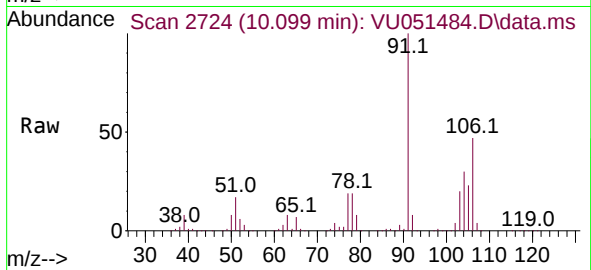




#54
o-Xylene
Concen: 55.086 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

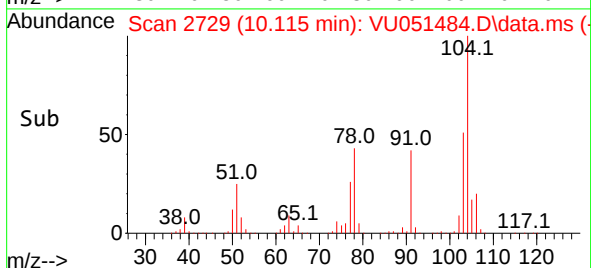
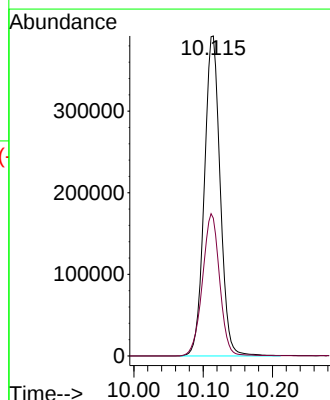
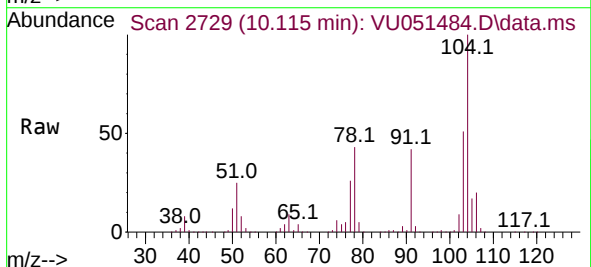
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

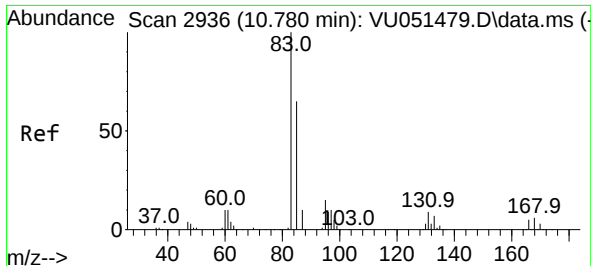
Tgt Ion:106 Resp: 348590
Ion Ratio Lower Upper
106 100
91 212.3 153.2 284.4



#55
Styrene
Concen: 56.667 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion:104 Resp: 623141
Ion Ratio Lower Upper
104 100
78 43.1 31.8 59.0

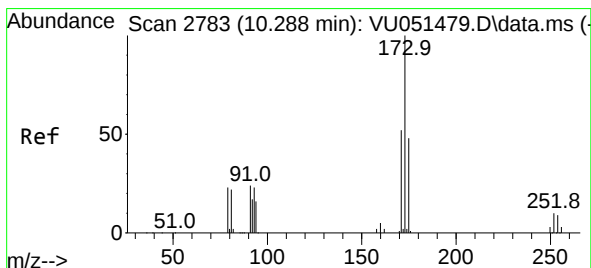
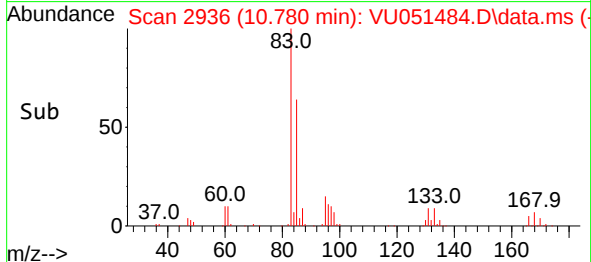
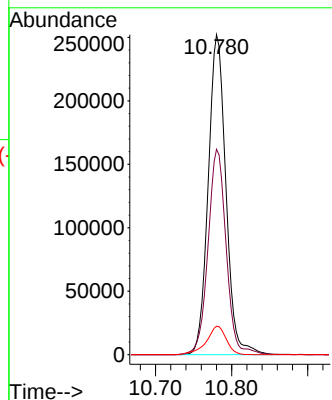
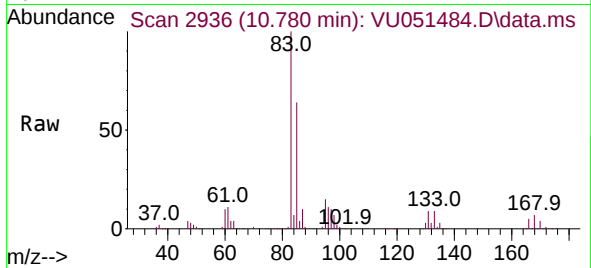




#57
 1,1,2,2-Tetrachloroethane
 Concen: 48.770 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. 0.000 min
 Lab File: VU051484.D
 Acq: 25 Oct 2022 12:52

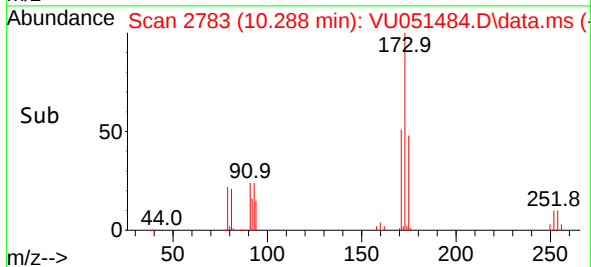
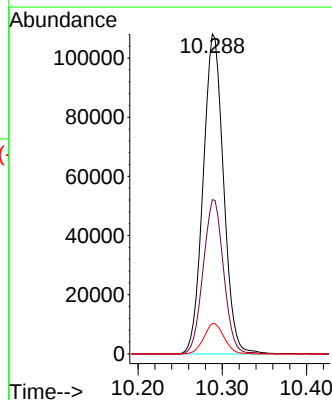
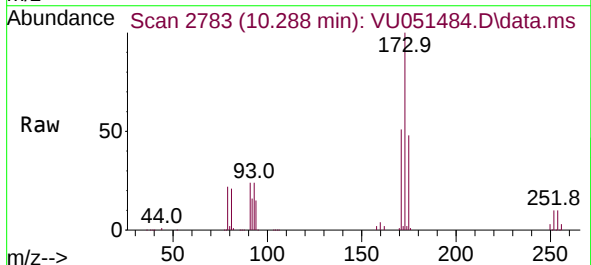
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050116

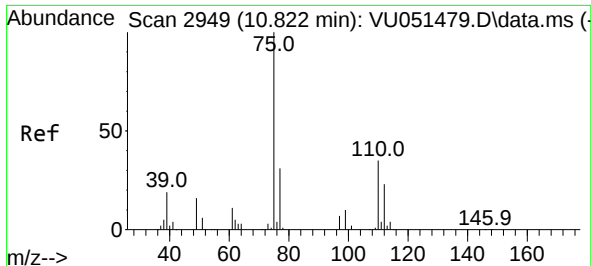
Tgt Ion: 83 Resp: 407381
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.9 83.5
 131 8.9 7.4 11.2



#59
 Bromoform
 Concen: 51.521 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.000 min
 Lab File: VU051484.D
 Acq: 25 Oct 2022 12:52

Tgt Ion: 173 Resp: 182340
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.4 57.6
 254 9.5 7.8 11.6

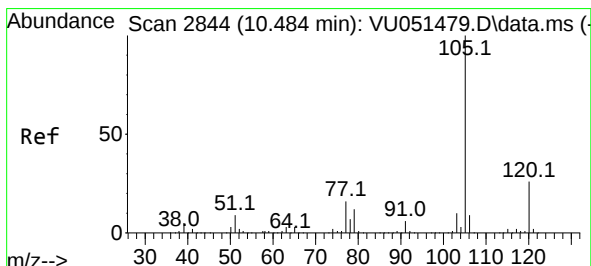
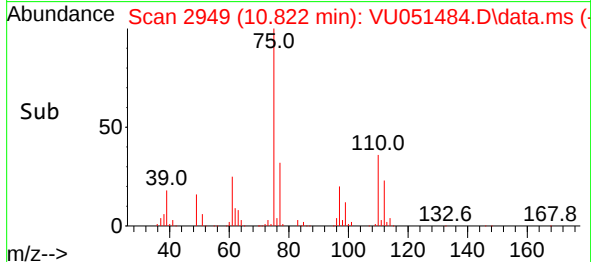
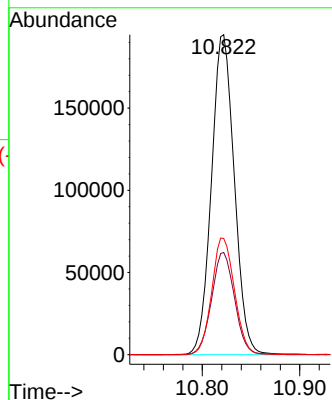
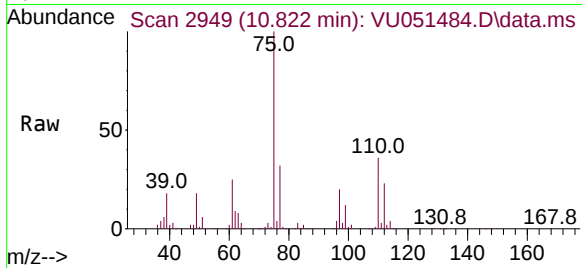




#60
1,2,3-Trichloropropane
Concen: 48.228 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

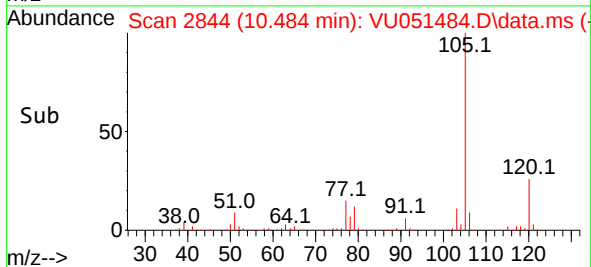
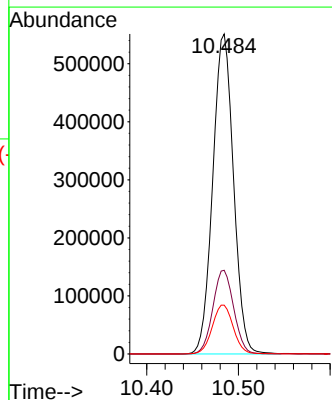
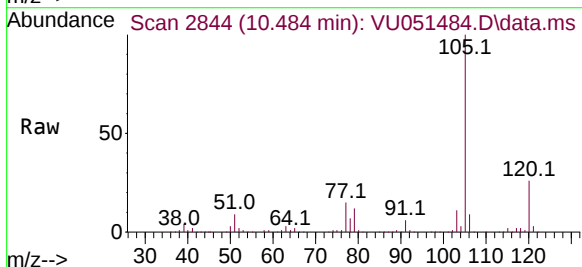
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

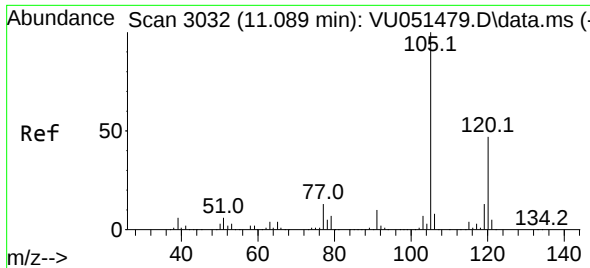
Tgt Ion: 75 Resp: 317598
Ion Ratio Lower Upper
75 100
77 32.2 26.1 39.1
110 36.3 28.7 43.1



#61
Isopropylbenzene
Concen: 54.268 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion: 105 Resp: 866000
Ion Ratio Lower Upper
105 100
120 26.3 21.1 31.7
77 15.5 12.6 19.0

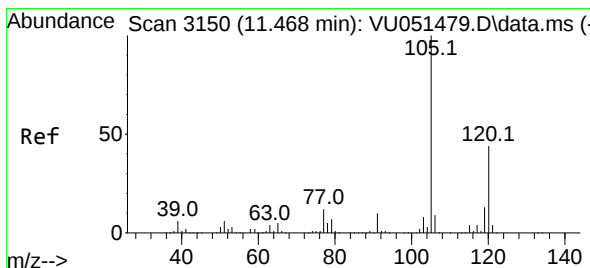
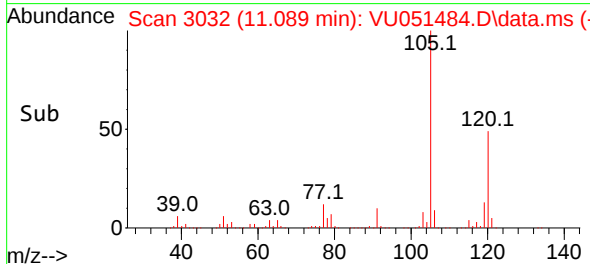
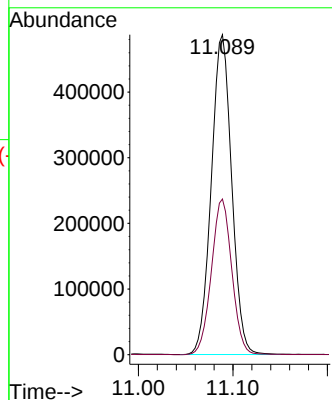
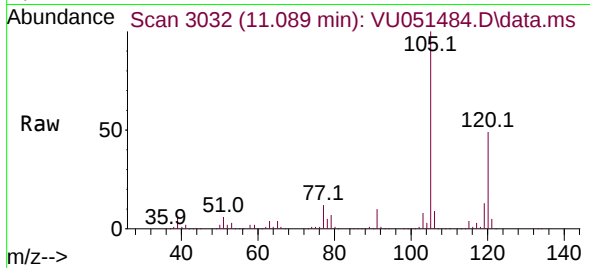




#62
 1,3,5-Trimethylbenzene
 Concen: 53.827 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.003 min
 Lab File: VU051484.D
 Acq: 25 Oct 2022 12:52

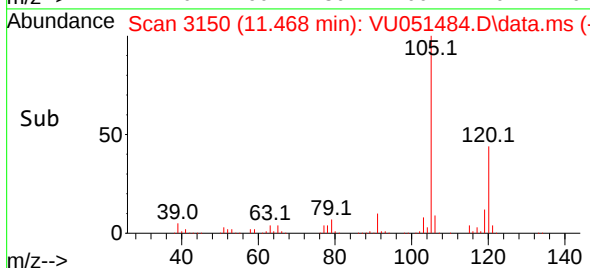
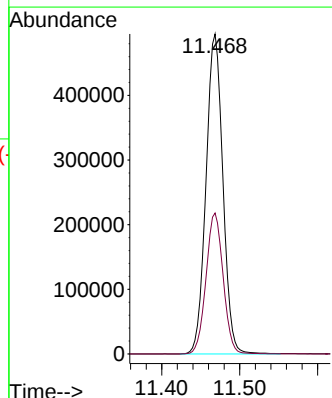
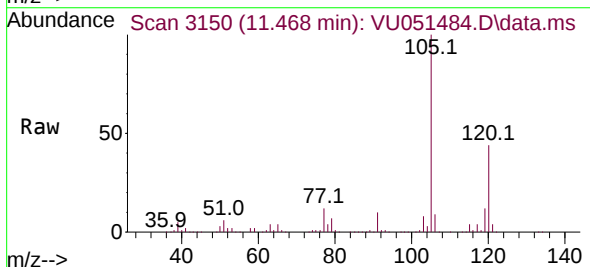
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050116

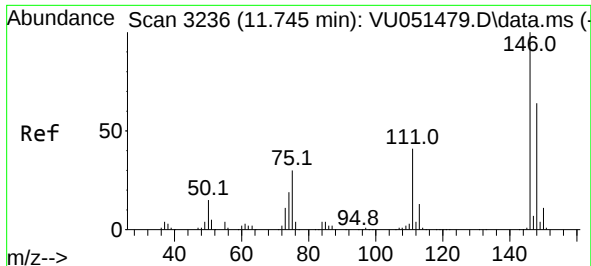
Tgt Ion:105 Resp: 729672
 Ion Ratio Lower Upper
 105 100
 120 48.8 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 55.787 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.003 min
 Lab File: VU051484.D
 Acq: 25 Oct 2022 12:52

Tgt Ion:105 Resp: 744638
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.4 53.0

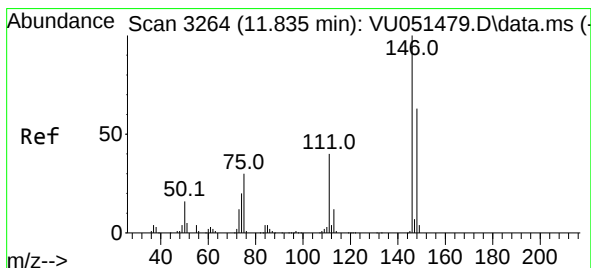
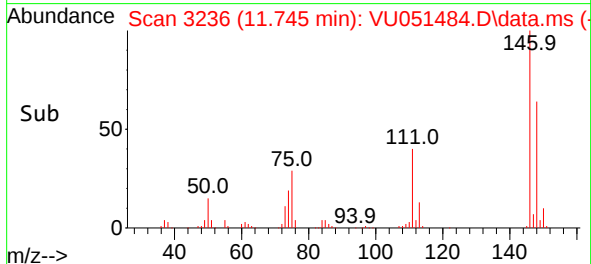
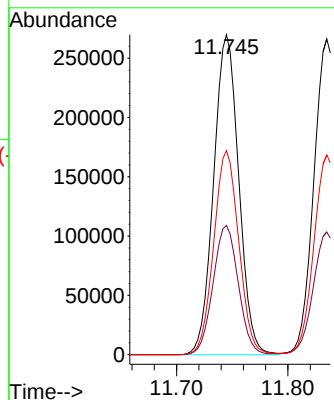
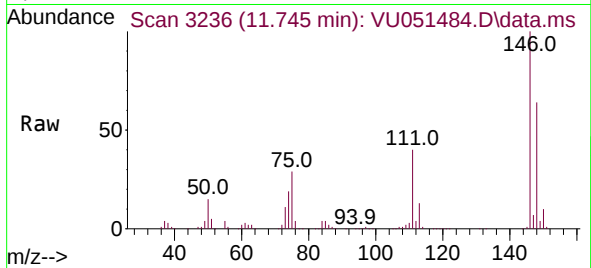




#64
1,3-Dichlorobenzene
Concen: 51.844 ug/L
RT: 11.745 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

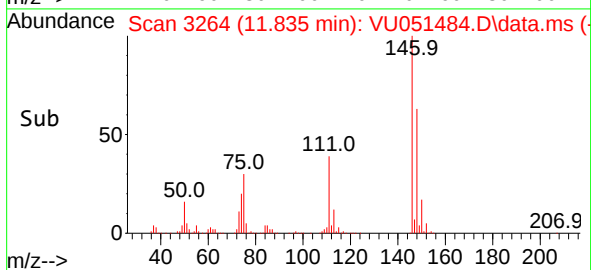
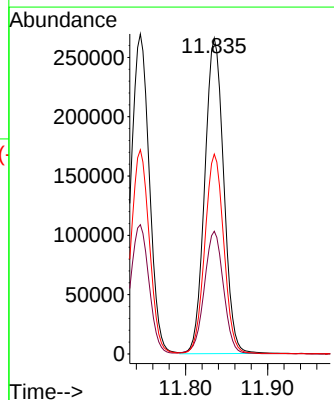
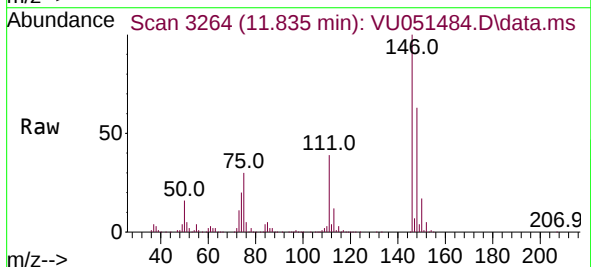
Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

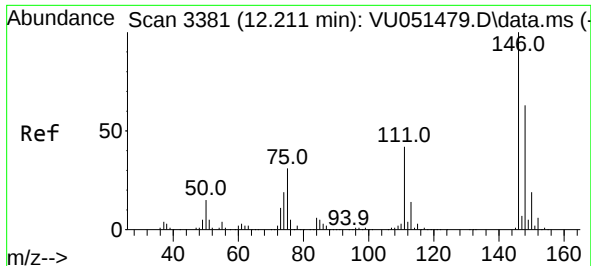
Tgt Ion:146 Resp: 422312
Ion Ratio Lower Upper
146 100
111 40.4 28.7 53.3
148 63.8 43.2 80.2



#65
1,4-Dichlorobenzene
Concen: 51.041 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion:146 Resp: 427575
Ion Ratio Lower Upper
146 100
111 38.9 28.9 53.7
148 63.3 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 52.042 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD050116

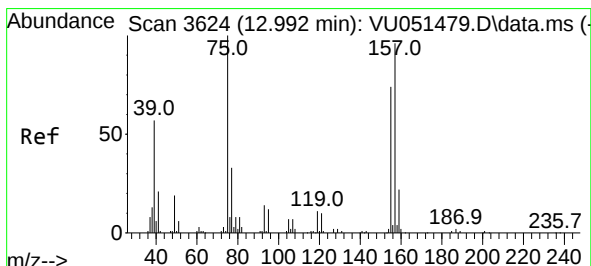
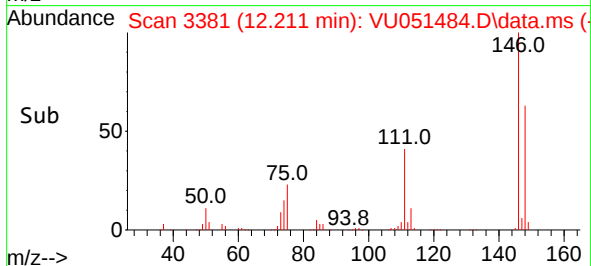
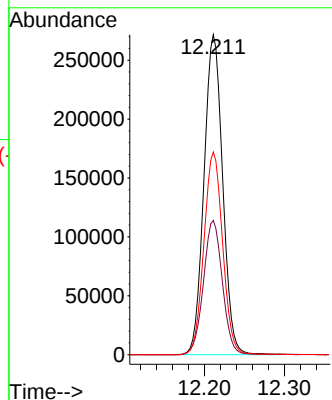
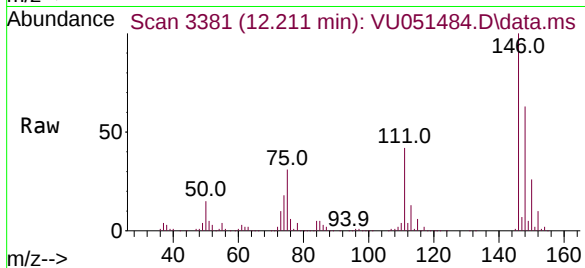
Tgt Ion:146 Resp: 441585

Ion Ratio Lower Upper

146 100

111 41.9 35.3 52.9

148 63.4 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 48.859 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

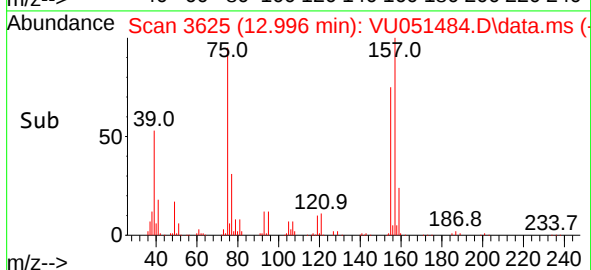
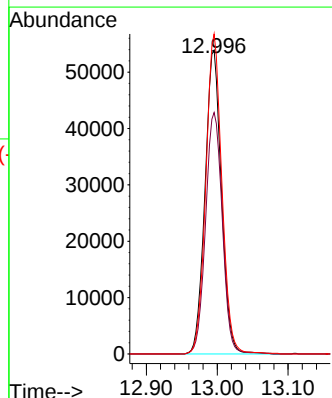
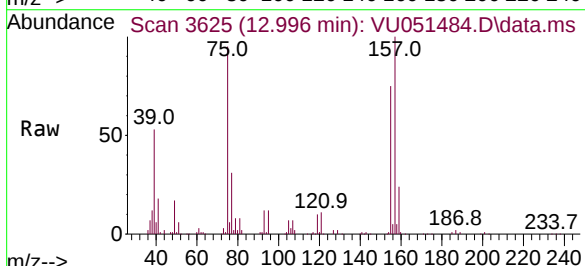
Tgt Ion: 75 Resp: 86841

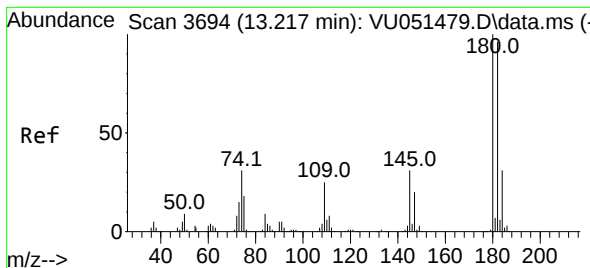
Ion Ratio Lower Upper

75 100

155 79.5 62.5 93.7

157 105.3 81.6 122.4





#69

1,3,5-Trichlorobenzene

Concen: 51.305 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.000 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD050116

Tgt Ion:180 Resp: 280352

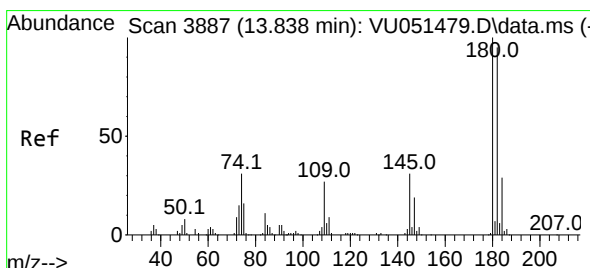
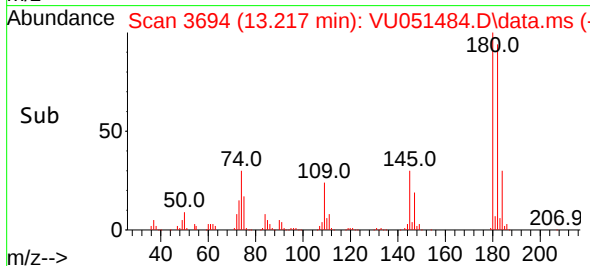
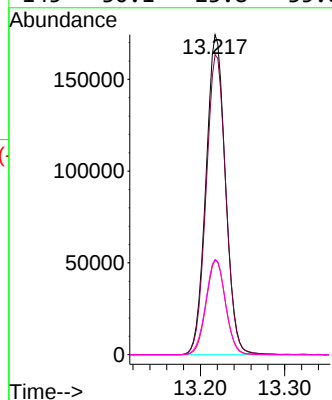
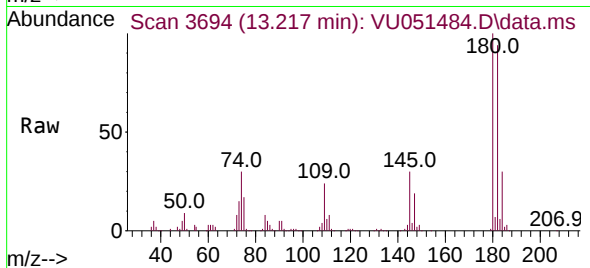
Ion Ratio Lower Upper

180 100

182 95.1 75.6 113.4

184 29.5 23.9 35.9

145 30.1 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 52.133 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU051484.D

Acq: 25 Oct 2022 12:52

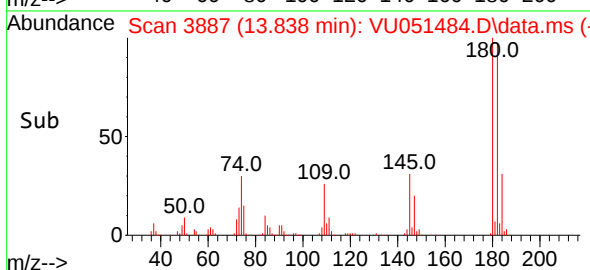
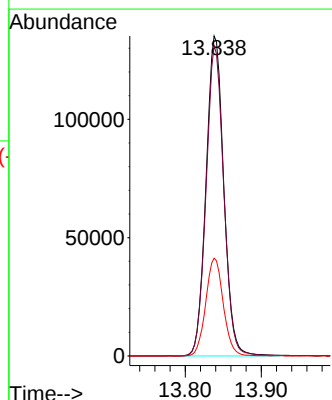
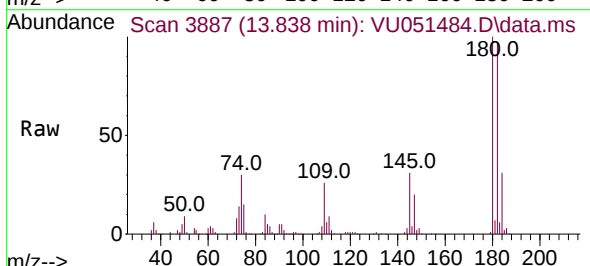
Tgt Ion:180 Resp: 219326

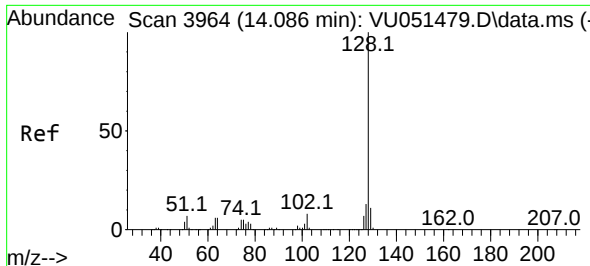
Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.4

145 30.2 25.0 37.6

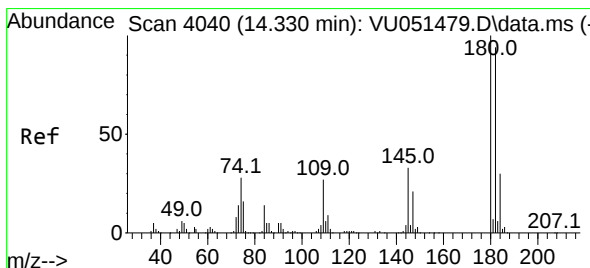
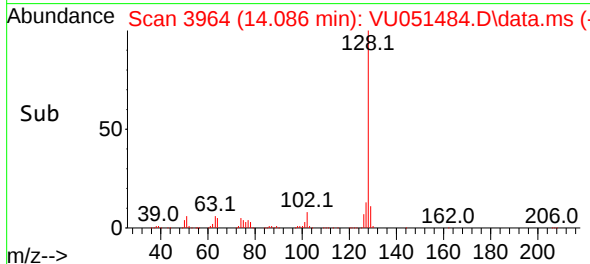
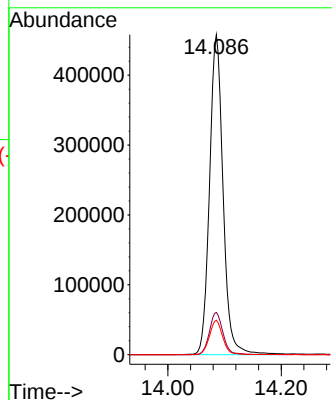
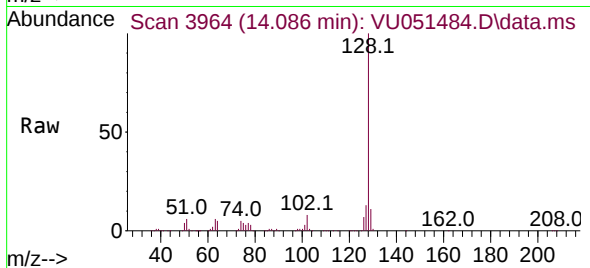




#71
Naphthalene
Concen: 56.470 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD050116

Tgt Ion:128 Resp: 760384
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.6 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 55.507 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU051484.D
Acq: 25 Oct 2022 12:52

Tgt Ion:180 Resp: 250670
Ion Ratio Lower Upper
180 100
182 96.0 75.4 113.2
145 33.1 25.3 37.9

